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CUSTOMER PRICE LIST SENSORS Feb/14

Rev.1.1

Gas Detectors with enose @ technology

1. ATEX Certified IP65 Gas Detectors mod. RAS/AD

- 1.1 Explosive gases detection with General Purpose Catalytic Sensor
- 1.2 Explosive gases detection with High Quality Poison Resistant Catalytic Sensor
- 1.3 Ammonia (NH3) detection for explosivity with specific High Quality Catalytic Sensor
- 1.4 Explosive (HC) gases detection with Infrared Sensor
- 1.5 CO2 Gas Detection with Infrared Sensor
- 1.6 Toxic gases detection with Electrochemical Cells
- 1.7 Oxygen (O2) detection with Electrochemical Cell
- 1.8 Explosive & Toxic gases detection with MOS Hybrid Cell (Semiconductor)
- 1.9 CO2 Gas Detection with MOS Hybrid Cell (Semiconductor)
- 1.10 H2S Gas Detection with High Temperature Solid State (Semiconductor)



2. STAINLESS STEEL ATEX Certified IP65 Gas Detectors mod. RAS/AD-INOX

- 2.1 Explosive gases detection with High Quality Poison Resistant Catalytic Sensor
- 2.2 Ammonia (NH3) detection for explosivity with specific High Quality Catalytic Sensor
- 2.3 Explosive (HC) gases detection with Infrared Sensor
- 2.4 CO2 Gas Detection with Infrared Sensor
- 2.5 Toxic gases detection with Electrochemical Cells
- 2.6 Oxygen (O2) detection with Electrochemical Cell
- 2.7 Explosive & Toxic gases detection with MOS Hybrid Cell (Semiconductor)
- 2.8 CO2 Gas detection with MOS Hybrid Cell (Semiconductor)
- 2.9 H2S Gas Detection with High Temperature Solid State (Semiconductor)



3. ATEX Certified IP65 Gas Detectors with Display and magnetic Keyboard mod. RAS/DY

- 3.1 Explosive gases detection with General Purpose Catalytic Sensor
- 3.2 Explosive gases detection with High Quality Poison Resistant Catalytic Sensor
- 3.3 Ammonia (NH3) detection for explosivity with specific High Quality Catalytic Sensor
- 3.4 Explosive (HC) gases detection with Infrared Sensor
- 3.5 CO2 Gas detection with Infrared Sensor
- 3.6 Toxic gases detection with Electrochemical Cells
- 3.7 Oxygen (O2) detection with Electrochemical Cell
- 3.8 Explosive & Toxic gases detection with MOS Hybrid Cell (Semiconductor)
- 3.9 CO2 Gas detection with MOS Hybrid Cell (Semiconductor)
- 3.10 H2S Gas Detection with High Temperature Solid State (Semiconductor)



4. STAINLESS STEEL ATEX Certified IP65 Gas Detectors with Display and magnetic Keyboard mod. RAS/DY-INOX

- 4.1 Explosive gases detection with High Quality Poison Resistant Catalytic Sensor
- 4.2 Ammonia (NH3) detection for explosivity with specific High Quality Catalytic Sensor
- 4.3 Explosive (HC) gases detection with Infrared Sensor
- 4.4 CO2 Gas detection with Infrared Sensor
- 4.5 Toxic gases detection with Electrochemical Cells
- 4.6 Oxygen (O2) detection with Electrochemical Cell
- 4.7 Explosive & Toxic gases detection with MOS Hybrid Cell (Semiconductor)
- 4.8 CO2 Gas detection with MOS Hybrid Cell (Semiconductor)
- 4.9 H2S Gas Detection with High Temperature Solid State (Semiconductor)



5. INDUSTRIAL Aluminium Housing IP65 Gas Detectors mod. DUST/AD Atex II 3G Ex-nA II T6

- 5.1 Explosive gases detection with General Purpose Catalytic Sensor
- 5.2 Explosive gases detection with High Quality Poison Resistant Catalytic Sensor
- 5.3 Ammonia (NH3) detection for explosivity with specific High Quality Catalytic Sensor
- 5.4 Explosive (HC) gases detection with Infrared Sensor
- 5.5 CO2 Gas detection with Infrared Sensor
- 5.6 Toxic gases detection with Electrochemical Cells
- 5.7 Oxygen (O2) detection with Electrochemical Cell
- 5.8 Explosive & Toxic gases detection with MOS Hybrid Cell (Semiconductor)
- 5.9 CO2 Gas detection with MOS Hybrid Cell (Semiconductor)
- 5.10 H2S Gas Detection with High Temperature Solid State (Semiconductor)



6. STAINLESS STEEL Industrial Housing IP65 Gas Detectors mod. DUST/AD-INOX Atex II 3G Ex-nA II T6

- 6.1 Explosive gases detection with High Quality Poison Resistant Catalytic Sensor
- 6.2 Ammonia (NH₃) detection for explosivity with specific High Quality Catalytic Sensor
- 6.3 Explosive (HC) gases detection with Infrared Sensor
- 6.4 CO₂ Gas detection with Infrared Sensor
- 6.5 Toxic gases detection with Electrochemical Cells
- 6.6 Oxygen (O₂) detection with Electrochemical Cell
- 6.7 Explosive & Toxic gases detection with MOS Hybrid Cell (Semiconductor)
- 6.8 CO₂ Gas detection with MOS Hybrid Cell (Semiconductor)
- 6.9 H₂S Gas Detection with High Temperature Solid State (Semiconductor)

**7. INDUSTRIAL Aluminium Housing IP65 Gas Detectors with Display and Keypad mod. DUST/DY Atex II 3G Ex-nA II T6**

- 7.1 Explosive gases detection with General Purpose Catalytic Sensor
- 7.2 Explosive gases detection with High Quality Poison Resistant Catalytic Sensor
- 7.3 Ammonia (NH₃) detection for explosivity with specific High Quality Catalytic Sensor
- 7.4 Explosive (HC) gases detection with Infrared Sensor
- 7.5 CO₂ Gas detection with Infrared Sensor
- 7.6 Toxic gases detection with Electrochemical Cells
- 7.7 Oxygen (O₂) detection with Electrochemical Cell
- 7.8 Explosive & Toxic gases detection with MOS Hybrid Cell (Semiconductor)
- 7.9 CO₂ Gas detection with MOS Hybrid Cell (Semiconductor)
- 7.10 H₂S Gas Detection with High Temperature Solid State (Semiconductor)

**8. STAINLESS STEEL Ind. Housing IP65 Gas Detectors with Display and Keypad mod. DUST/DY-INOX Atex II 3G Ex-nA II T6**

- 8.1 Explosive gases detection with High Quality Poison Resistant Catalytic Sensor
- 8.2 Ammonia (NH₃) detection for explosivity with specific High Quality Catalytic Sensor
- 8.3 Explosive (HC) gases detection with Infrared Sensor
- 8.4 CO₂ Gas detection with Infrared Sensor
- 8.5 Toxic gases detection with Electrochemical Cells
- 8.6 Oxygen (O₂) detection with Electrochemical Cell
- 8.7 Explosive & Toxic gases detection with MOS Hybrid Cell (Semiconductor)
- 8.8 CO₂ Gas detection with MOS Hybrid Cell (Semiconductor)
- 8.9 H₂S Gas Detection with High Temperature Solid State (Semiconductor)

**9. Park Gas Transmitters 4-20 mA**

- 9.1 Explosive Gases with Catalytic sensor
- 9.2 Carbon Monoxide (CO) Transmitters with Electrochemical cell
- 9.3 Nitrogen Dioxide (NO_x) Transmitters with Electrochemical cell
- 9.4 Dual Explosive/Toxic gases Transmitters

**10. Part number description****11. Gas Detectors Accesories****12. Electronic Heat Detectors TMP2**

- 12.1 TMP2 ATEX certified heat detectors II 2G Ex d IIC T6 - EN54-5 CPD
- 12.2 TMP2 Aluminium Housing for industrial applications heat detectors - EN54-5 CPD

**13. Heat Detectors Accessories****14. Flame Detectors**

- 14.1 UV Flame Detectors
- 14.2 UV/IR Flame Detectors
- 14.3 Flame Detectors Accessories



ATEX CERTIFIED GAS DETECTORS

enose® technology

**1. RAS/AD**

Microprocessor based gas detector designed to measure gas concentrations with different ranges (%L.E.L. or ppm or %Vol.)
ATEX Certified II 2 G Ex d IIC T6

1.1 Explosive gases		Price List
General Purpose Catalytic sensor		Euro
RAS/AD/1xx/AAS	4-20mA + RS485 Output	€ 468,42
RAS/AD/1xx/CCS	n.3 Relays + RS485 Output	€ 512,54
1.2 Explosive gases		Price List
High Quality Poison resistant Catalytic Sensor		Euro
Stainless Steel sensor head		
RAS/AD/1xxS/AAS	4-20mA + RS485 Output	€ 640,70
RAS/AD/1xxS/CCS	n.3 Relays + RS485 Output	€ 684,82
1.3 Ammonia (NH3)		Price List
High Quality Poison resistant Catalytic - Stainless Steel sensor head		Euro
Specific Sensor for Ammonia (NH3 - 0-20.000ppm)		
RAS/AD/141S/AAS	4-20mA + RS485 Output	€ 681,79
RAS/AD/141S/CCS	n.3 Relays + RS485 Output	€ 725,91
1.4 Explosive Gases (HC)		Price List
Infrared Sensor - Stainless Steel sensor head		Euro
RAS/AD/2xx/AAS	4-20mA + RS485 Output (Range 0-100%LEL)	€ 808,68
RAS/AD/2xx/CCS	n.3 Relays + RS485 Output (Range 0-100%LEL)	€ 852,79
1.5 CO2 Gas Detection		Price List
Infrared Sensor for CO2 - Stainless Steel sensor head		Euro
RAS/AD/279/AAS	4-20mA + RS485 Output (Range 0-20.000ppm)	€ 808,68
RAS/AD/279/CCS	n.3 Relays + RS485 Output (Range 0-20.000ppm)	€ 852,79
1.6 Toxic Gases		Price List
Electrochemical Cell		Euro
Stainless Steel sensor head		
4-20mA + RS485 Output		
RAS/AD/320/AAS	CO range 0-300 / 500ppm - > 2 years life time	€ 820,33
RAS/AD/327/AAS	H2 range 0-1% / 4% Vol. - 2 years life time	€ 956,94
RAS/AD/340/AAS	NH3 range 0-100ppm - 2 years life time	€ 1.151,58
RAS/AD/340-2/AAS	NH3 range 0-500/1000/5000ppm - 2 years life	€ 1.151,58
RAS/AD/363/AAS	HCN range 0-30ppm - 18 months life time	On request
RAS/AD/369/AAS	H2S range 0-100ppm - > 2 years life time	€ 832,83
RAS/AD/370/AAS	SO2 range 0-20ppm - 2 years life time	€ 1.028,37
RAS/AD/380/AAS	SiH4 0-50ppm, GeH4 0-2ppm, 18 months life time	On request
RAS/AD/381/AAS	BF3 range 0-10ppm - 18 months life time	On request
RAS/AD/382/AAS	HF range 0-10ppm - 18 months life time	On request
RAS/AD/383/AAS	NO max. range 0-100ppm - 2 years life time	On request
RAS/AD/384/AAS	NO2 max. range 0-50ppm - 2 years life time	On request

1.6 Toxic Gases		Stainless Steel sensor head	Price List
Electrochemical Cell		n.3 Relays + RS485 Output	Euro
RAS/AD/320/CCS	CO range 0-300 / 500ppm - > 2 years life time		€ 864,45
RAS/AD/327/CCS	H2 range 0-1% / 4% Vol. - 2 years life time		€ 1.001,06
RAS/AD/340/CCS	NH3 range 0-100ppm - 2 years life time		€ 1.195,70
RAS/AD/340-2/CCS	NH3 range 0-500/1000/5000ppm - 2 years life		€ 1.195,70
RAS/AD/363/CCS	HCN range 0-30ppm - 18 months life time		On request
RAS/AD/369/CCS	H2S range 0-100ppm - > 2 years life time		€ 876,95
RAS/AD/370/CCS	SO2 range 0-20ppm - 2 years life time		€ 1.072,48
RAS/AD/380/CCS	SiH4 0-50ppm, GeH4 0-2ppm, 18 months life time		On request
RAS/AD/381/CCS	BF3 range 0-10ppm - 18 months life time		On request
RAS/AD/382/CCS	HF range 0-10ppm - 18 months life time		On request
RAS/AD/383/CCS	NO max. range 0-100ppm - 2 years life time		On request
RAS/AD/384/CCS	NO2 max. range 0-50ppm - 2 years life time		On request

1.7 Oxygen (O2)		O2 range 0-25%Vol.	Price List
Electrochemical Cell			Euro
RAS/AD/361/AAS	4-20mA + RS485 output - > 2 years life time		€ 789,08
RAS/AD/361/CCS	n.3 Relays + RS485 output - > 2 years life time		€ 833,20

1.8 Explosive & Toxic Gases		MOS Hybrid Cell (Semiconductor)	Price List
			Euro
RAS/AD/4xx/AAS	4-20mA + RS485 Output		€ 539,08
RAS/AD/4xx/CCS	n.3 Relays + RS485 Output		€ 583,20

1.9 CO2 Gas Detection		MOS Hybrid Cell (Semiconductor) for CO2 (range 0-10.000ppm)	Price List
			Euro
RAS/AD/479/AAS	4-20mA + RS485 Output		€ 581,95
RAS/AD/479/CCS	n.3 Relays + RS485 Output		€ 626,07

1.10 H2S Gas Detection		High Temperature & VOCs/solvents Resistance	Price List
		Solid State (Semiconductor) for H2S (range 0-50ppm)	Euro
RAS/AD/469/AAS	4-20mA + RS485 Output		€ 876,06
RAS/AD/469/CCS	n.3 Relays + RS485 Output		€ 920,17

STAINLESS STEEL - ATEX CERTIFIED GAS DETECTORS

enose® technology

**2. RAS/AD-INOX**

Microprocessor based gas detector designed to measure gas concentrations with different ranges (%L.E.L. or ppm or %Vol.)

ATEX Certified II 2 G Ex d IIC T6**Stainless Steel housing & sensor head**

2.1 Explosive gases		Price List
High Quality Poison resistant Catalytic Sensor		Euro
Stainless Steel housing & sensor head		

RAS/AD/1xxI/AAS	4-20mA + RS485 Output	€ 861,77
RAS/AD/1xxI/CCS	n.3 Relays + RS485 Output	€ 905,89

2.2 Ammonia (NH3)		Price List
High Quality Poison resistant Catalytic - Stainless Steel housing & sensor head		Euro
Specific Sensor for Ammonia (NH3 - 0-20.000ppm)		

RAS/AD/141I/AAS	4-20mA + RS485 Output	€ 902,86
RAS/AD/141I/CCS	n.3 Relays + RS485 Output	€ 976,62

2.3 Explosive Gases (HC)		Price List
Infrared Sensor - Stainless Steel housing & sensor head		Euro

RAS/AD/2xxI/AAS	4-20mA + RS485 Output (Range 0-100%LEL)	€ 1.029,75
RAS/AD/2xxI/CCS	n.3 Relays + RS485 Output (Range 0-100%LEL)	€ 1.073,87

2.4 CO2 Gas Detection		Price List
Infrared Sensor for CO2 - Stainless Steel housing & sensor head		Euro

RAS/AD/279I/AAS	4-20mA + RS485 Output (Range 0-20.000ppm)	€ 1.029,75
RAS/AD/279I/CCS	n.3 Relays + RS485 Output (Range 0-20.000ppm)	€ 1.073,87

2.5 Toxic Gases		Price List
Electrochemical Cell	Stainless Steel housing & sensor head 4-20mA + RS485 Output	Euro

RAS/AD/320I/AAS	CO range 0-300 / 500ppm - > 2 years life time	€ 1.041,40
RAS/AD/327I/AAS	H2 range 0-1% / 4% Vol. - 2 years life time	€ 1.178,01
RAS/AD/340I/AAS	NH3 range 0-100ppm - 2 years life time	€ 1.372,65
RAS/AD/340-2I/AAS	NH3 range 0-500/1000/5000ppm - 2 years life	€ 1.372,65
RAS/AD/363I/AAS	HCN range 0-30ppm - 18 months life time	On request
RAS/AD/369I/AAS	H2S range 0-100ppm - > 2 years life time	€ 1.053,90
RAS/AD/370I/AAS	SO2 range 0-20ppm - 2 years life time	€ 1.249,44
RAS/AD/380I/AAS	SiH4 0-50ppm, GeH4 0-2ppm, 18 months life time	On request
RAS/AD/381I/AAS	BF3 range 0-10ppm - 18 months life time	On request
RAS/AD/382I/AAS	HF range 0-10ppm - 18 months life time	On request
RAS/AD/383I/AAS	NO max. range 0-100ppm - 2 years life time	On request
RAS/AD/384I/AAS	NO2 max. range 0-50ppm - 2 years life time	On request

2.5 Toxic Gases	Stainless Steel housing & sensor head	Price List
Electrochemical Cell	n.3 Relays + RS485 Output	Euro
RAS/AD/320I/CCS	CO range 0-300 / 500ppm - > 2 years life time	€ 1.085,52
RAS/AD/327I/CCS	H2 range 0-1% / 4% Vol. - 2 years life time	€ 1.222,13
RAS/AD/340I/CCS	NH3 range 0-100ppm - 2 years life time	€ 1.416,77
RAS/AD/340-2I/CCS	NH3 range 0-500/1000/5000ppm - 2 years life	€ 1.416,77
RAS/AD/363I/CCS	HCN range 0-30ppm - 18 months life time	On request
RAS/AD/369I/CCS	H2S range 0-100ppm - > 2 years life time	€ 1.098,02
RAS/AD/370I/CCS	SO2 range 0-20ppm - 2 years life time	€ 1.293,56
RAS/AD/380I/CCS	SiH4 0-50ppm, GeH4 0-2ppm, 18 months life time	On request
RAS/AD/381I/CCS	BF3 range 0-10ppm - 18 months life time	On request
RAS/AD/382I/CCS	HF range 0-10ppm - 18 months life time	On request
RAS/AD/383I/CCS	NO max. range 0-100ppm - 2 years life time	On request
RAS/AD/384I/CCS	NO2 max. range 0-50ppm - 2 years life time	On request

2.6 Oxygen (O2)	Stainless Steel housing & sensor head	Price List
Electrochemical Cell	O2 range 0-25%Vol.	Euro
RAS/AD/361I/AAS	4-20mA + RS485 output - > 2 years life time	€ 1.010,15
RAS/AD/361I/CCS	n.3 Relays + RS485 output - > 2 years life time	€ 1.054,27

2.7 Explosive & Tox Gases	Stainless Steel housing & sensor head	Price List
MOS Hybrid Cell (Semiconductor)		Euro
RAS/AD/4xxI/AAS	4-20mA + RS485 Output	€ 794,20
RAS/AD/4xxI/CCS	n.3 Relays + RS485 Output	€ 838,31

2.8 CO2 Gas Detection	Stainless Steel housing & sensor head	Price List
MOS Hybrid Cell (Semiconductor) for CO2 (range 0-10.000ppm)		Euro
RAS/AD/479I/AAS	4-20mA + RS485 Output	€ 837,06
RAS/AD/479I/CCS	n.3 Relays + RS485 Output	€ 881,18

2.9 H2S Gas Detection	Stainless Steel housing & sensor head	Price List
Solid State (Semiconductor) for H2S (range 0-50ppm)	High Temperature & VOCs/solvents Resistance	Euro
RAS/AD/469I/AAS	4-20mA + RS485 Output	€ 1.131,17
RAS/AD/469I/CCS	n.3 Relays + RS485 Output	€ 1.175,29

ATEX CERTIFIED GAS DETECTORS

enose® technology

**3. RAS/DY**

Micropocessor based gas detector designed to measure gas concentrations with different ranges (%L.E.L. or ppm)
Equipped with LCD Display 2x8
ATEX Certified II 2 G Ex d IIC T6

3.1	Explosive gases		Price List
	General Purpose Catalytic sensor		Euro

RAS/DY/1xx/AAS	4-20mA + RS485 Output		€ 733,27
RAS/DY/1xx/CAS	n.3 Relays + 4-20mA + RS485 Output		€ 777,39

3.2	Explosive gases		Price List
	High Quality Poison resistant Catalytic Sensor		Euro
	Stainless Steel sensor head		

RAS/DY/1xxS/AAS	4-20mA + RS485 Output		€ 905,55
RAS/DY/1xxS/CAS	n.3 Relays + 4-20mA + RS485 Output		€ 949,67

3.3	Ammonia (NH3)		Price List
	High Quality Poison Resistant Catalytic - Stainless Steel sensor head		Euro
	Specific Sensor for Ammonia (NH3 - range 0-20.000ppm)		

RAS/DY/141S/AAS	4-20mA + RS485 Output		€ 971,64
RAS/DY/141S/CAS	n.3 Relays + 4-20mA + RS485 Output		€ 1.015,76

3.4	Explosive Gases (HC)		Price List
	Infrared Sensor - Stainless Steel sensor head		Euro

RAS/DY/2xx/AAS	4-20mA + RS485 (Range 0-100%LEL)		€ 1.073,53
RAS/DY/2xx/CAS	n.3 Relays + 4-20mA + RS485 Output (Range 0-100%LEL)		€ 1.117,65

3.5	CO2 Gas Detection		Price List
	Infrared Sensor for CO2 - Stainless Steel sensor head		Euro

RAS/DY/279/AAS	4-20mA + RS485 Output (Range 0-20.000ppm)		€ 1.073,53
RAS/DY/279/CAS	n.3 Relays + 4-20mA + RS485 Output (Range 0-20.000ppm)		€ 1.117,65

3.6	Toxic Gases		Price List
	Electrochemical Cell	Stainless Steel sensor head	Euro
		4-20mA + RS485 Output	

RAS/DY/320/AAS	CO range 0-300 / 500ppm - > 2 years life time		€ 1.060,18
RAS/DY/327/AAS	H2 range 0-1% / 4% Vol. - 2 years life time		€ 1.221,79
RAS/DY/340/AAS	NH3 range 0-100ppm - 2 years life time		€ 1.416,43
RAS/DY/340-2/AAS	NH3 range 0-500/1000/5000ppm - 2 years life		€ 1.416,43
RAS/DY/363/AAS	HCN range 0-30ppm - 18 months life time		On request
RAS/DY/369/AAS	H2S range 0-100ppm > 2 years life time		€ 1.072,68
RAS/DY/370/AAS	SO2 range 0-20ppm - 2 years life time		€ 1.293,22
RAS/DY/380/AAS	SiH4 0-50ppm, GeH4 0-2ppm, 18 months life time		On request
RAS/DY/381/AAS	BF3 range 0-10ppm - 18 months life time		On request
RAS/DY/382/AAS	HF range 0-10ppm - 18 months life time		On request
RAS/DY/383/AAS	NO max. range 0-100ppm - 2 years life time		On request
RAS/DY/384/AAS	NO2 max. range 0-50ppm - 2 years life time		On request

3.6 Toxic Gases		Stainless Steel sensor head	Price List
Electrochemical Cell		n.3 Relays + 4-20mA + RS485 Output	Euro
RAS/DY/320/CAS	CO range 0-300 / 500ppm - > 2 years life time		€ 1.129,30
RAS/DY/327/CAS	H2 range 0-1% / 4% Vol. - 2 years life time		€ 1.265,91
RAS/DY/340/CAS	NH3 range 0-100ppm - 2 years life time		€ 1.460,55
RAS/DY/340-2/CAS	NH3 range 0-500/1000/5000ppm - 2 years life		€ 1.460,55
RAS/DY/363/CAS	HCN range 0-30ppm - 18 months life time		On request
RAS/DY/369/CAS	H2S range 0-100ppm > 2 years life time		€ 1.141,80
RAS/DY/370/CAS	SO2 range 0-20ppm - 2 years life time		€ 1.337,34
RAS/DY/380/CAS	SiH4 0-50ppm, GeH4 0-2ppm, 18 months life time		On request
RAS/DY/381/CAS	BF3 range 0-10ppm - 18 months life time		On request
RAS/DY/382/CAS	HF range 0-10ppm - 18 months life time		On request
RAS/DY/383/CAS	NO max. range 0-100ppm - 2 years life time		On request
RAS/DY/384/CAS	NO2 max. range 0-50ppm - 2 years life time		On request

3.7 Oxygen (O2)		O2 range 0-25%Vol.	Price List
Electrochemical Cell			Euro
RAS/DY/361/AAS	4-20mA + RS485 output - 2 years life time		€ 1.053,93
RAS/DY/361/CAS	n.3 Relays + 4-20mA + RS485 output - 2 years life time		€ 1.098,05

3.8 Explosive & Toxic Gases		MOS Hybrid Cell (Semiconductor)	Price List
			Euro
RAS/DY/4xx/AAS	4-20mA + RS485 Output		€ 803,93
RAS/DY/4xx/CAS	n.3 Relays + 4-20mA + RS485 Output		€ 848,05

3.9 CO2 Gas Detection		MOS Hybrid Cell (Semiconductor) for CO2 (range 0-10.000ppm)	Price List
			Euro
RAS/DY/479/AAS	4-20mA + RS485 Output		€ 857,10
RAS/DY/479/CAS	n.3 Relays + 4-20mA + RS485 Output		€ 901,21

3.10 H2S Gas Detection		High Temperature & VOCs/solvents Resistance	Price List
Solid State (Semiconductor) for H2S (range 0-50ppm)			Euro
RAS/DY/469/AAS	4-20mA + RS485 Output		€ 1.140,91
RAS/DY/469/CAS	n.3 Relays + 4-20mA + RS485 Output		€ 1.185,03

STAINLESS STEEL ATEX CERTIFIED GAS DETECTORS**enose® technology****4. RAS/DY-INOX**

Microprocessor based gas detector
designed to measure gas concentrations with
different ranges (%L.E.L. or ppm)

Equipped with LCD Display 2x8

ATEX Certified II 2 G Ex d IIC T6

Stainless steel housing & sensor head

4.1 Explosive gases		Price List
High Quality Poison resistant Catalytic Sensor		Euro
Stainless Steel housing & sensor head		

RAS/DY/1xxI/AAS	4-20mA + RS485 Output	€ 1.074,98
RAS/DY/1xxI/CAS	n.3 Relays + 4-20mA + RS485 Output	€ 1.193,36

4.2 Ammonia (NH3)		Price List
High Quality Poison Resistant Catalytic - Stainless Steel housing & sensor head		Euro
Specific Sensor for Ammonia (NH3 - range 0-20.000ppm)		

RAS/DY/141I/AAS	4-20mA + RS485 Output	€ 1.141,08
RAS/DY/141I/CAS	n.3 Relays + 4-20mA + RS485 Output	€ 1.185,19

4.3 Explosive Gases (HC)		Price List
Infrared Sensor - Stainless Steel housing & sensor head		Euro

RAS/DY/2xxI/AAS	4-20mA + RS485 Output (Range 0-100%LEL)	€ 1.242,96
RAS/DY/2xxI/CAS	n.3 Relays + 4-20mA + RS485 Output (Range 0-100%LEL)	€ 1.287,08

4.4 CO2 Gas Detection		Price List
Infrared Sensor for CO2 - Stainless Steel housing & sensor head		Euro

RAS/DY/279I/AAS	4-20mA + RS485 Output (Range 0-20.000ppm)	€ 1.242,96
RAS/DY/279I/CAS	n.3 Relays + 4-20mA + RS485 Output (Range 0-20.000ppm)	€ 1.287,08

4.5 Toxic Gases		Price List
Electrochemical Cell	Stainless Steel housing & sensor head 4-20mA + RS485 Output	Euro

RAS/DY/320I/AAS	CO range 0-300 / 500ppm - > 2 years life time	€ 1.229,62
RAS/DY/327I/AAS	H2 range 0-1% / 4% Vol. - 2 years life time	€ 1.366,22
RAS/DY/340I/AAS	NH3 range 0-100ppm - 2 years life time	€ 1.560,87
RAS/DY/340-2I/AAS	NH3 range 0-500/1000/5000ppm - 2 years life	€ 1.560,87
RAS/DY/363I/AAS	HCN range 0-30ppm - 18 months life time	On request
RAS/DY/369I/AAS	H2S range 0-100ppm > 2 years life time	€ 1.242,12
RAS/DY/370I/AAS	SO2 range 0-20ppm - 2 years life time	€ 1.437,65
RAS/DY/380I/AAS	SiH4 0-50ppm, GeH4 0-2ppm, 18 months life time	On request
RAS/DY/381I/AAS	BF3 range 0-10ppm - 18 months life time	On request
RAS/DY/382I/AAS	HF range 0-10ppm - 18 months life time	On request
RAS/DY/383I/AAS	NO max. range 0-100ppm - 2 years life time	On request
RAS/DY/384I/AAS	NO2 max. range 0-50ppm - 2 years life time	On request

4.5 Toxic Gases	Stainless Steel housing & sensor head	Price List
Electrochemical Cell	n.3 Relays + 4-20mA + RS485 Output	Euro
RAS/DY/320I/CAS	CO range 0-300 / 500ppm - > 2 years life time	€ 1.273,73
RAS/DY/327I/CAS	H2 range 0-1% / 4% Vol. - 2 years life time	€ 1.410,34
RAS/DY/340I/CAS	NH3 range 0-100ppm - 2 years life time	€ 1.604,98
RAS/DY/340-2I/CAS	NH3 range 0-500/1000/5000ppm - 2 years life	€ 1.604,98
RAS/DY/363I/CAS	HCN range 0-30ppm - 18 months life time	On request
RAS/DY/369I/CAS	H2S range 0-100ppm > 2 years life time	€ 1.286,23
RAS/DY/370I/CAS	SO2 range 0-20ppm - 2 years life time	€ 1.481,77
RAS/DY/380I/CAS	SiH4 0-50ppm, GeH4 0-2ppm, 18 months life time	On request
RAS/DY/381I/CAS	BF3 range 0-10ppm - 18 months life time	On request
RAS/DY/382I/CAS	HF range 0-10ppm - 18 months life time	On request
RAS/DY/383I/CAS	NO max. range 0-100ppm - 2 years life time	On request
RAS/DY/384I/CAS	NO2 max. range 0-50ppm - 2 years life time	On request

4.6 Oxygen (O2)	Stainless Steel housing & sensor head	Price List
Electrochemical Cell	O2 range 0-25%Vol.	Euro
RAS/DY/361I/AAS	4-20mA + RS485 output - 2 years life time	€ 1.198,37
RAS/DY/361I/CAS	n.3 Relays + 4-20mA + RS485 output - 2 years life time	€ 1.242,48

4.7 Explosive & Toxic Gases	Stainless Steel housing & sensor head	Price List
MOS Hybrid Cell (Semiconductor)		Euro
RAS/DY/4xxI/AAS	4-20mA + RS485 Output	€ 982,41
RAS/DY/4xxI/CAS	n.3 Relays + 4-20mA + RS485 Output	€ 1.026,53

4.8 CO2 Gas Detection	Stainless Steel housing & sensor head	Price List
MOS Hybrid Cell (Semiconductor) for CO2 (range 0-10.000ppm)		Euro
RAS/DY/479I/AAS	4-20mA + RS485 Output	€ 1.035,57
RAS/DY/479I/CAS	n.3 Relays + 4-20mA + RS485 Output	€ 1.079,69

4.9 H2S Gas Detection	Stainless Steel housing & sensor head	Price List
Solid State (Semiconductor) for H2S (range 0-50ppm)	High Temperature & VOCs/solvents Resistance	Euro
RAS/DY/469I/AAS	4-20mA + RS485 Output	€ 1.319,39
RAS/DY/469I/CAS	n.3 Relays + 4-20mA + RS485 Output	€ 1.363,50

INDUSTRIAL HOUSING GAS DETECTORS

enose® technology

**5. DUST/AD**

Micropocessor based gas detector
designed to measure gases concentration with
different range (%L.E.L. or ppm)

Aluminium Housing - IP65

Atex II 3G Ex-nA II T6

5.1 Explosive gases		Price List
General Purpose Catalytic sensor		Euro
DUST/AD/1xx/AAS	4-20mA + RS485 Output	€ 355,88
DUST/AD/1xx/CCS	n.3 Relays + RS485 Output	€ 399,30

5.2 Explosive gases		Price List
High Quality Poison resistant Catalytic Sensor		Euro
DUST/AD/1xxS/AAS	4-20mA + RS485 Output	€ 494,12
DUST/AD/1xxS/CCS	n.3 Relays + RS485 Output	€ 537,54

5.3 Explosive gases		Price List
High Quality Poison resistant Catalytic Sensor		Euro
Specific Sensor for Ammonia (NH3 - 0-20.000ppm)		
DUST/AD/141S/AAS	4-20mA + RS485 Output	€ 602,86
DUST/AD/141S/CCS	n.3 Relays + RS485 Output	€ 658,41

5.4 Explosive Gases		Price List
Infrared Sensor		Euro
DUST/AD/2xx/AAS	4-20mA + RS485 Output (Range 0-100%LEL)	€ 647,57
DUST/AD/2xx/CCS	n.3 Relays + RS485 Output (Range 0-100%LEL)	€ 690,99

5.5 CO2 Gas Detection		Price List
Infrared Sensor for CO2		Euro
DUST/AD/279/AAS	4-20mA + RS485 Output (Range 0-20.000ppm)	€ 647,57
DUST/AD/279/CCS	n.3 Relays + RS485 Output (Range 0-20.000ppm)	€ 690,99

5.6 Toxic Gases		Price List
Electrochemical Cell		Euro
4-20mA + RS485 Output		
DUST/AD/320/AAS	CO range 0-300 / 500ppm - > 2 years life time	€ 648,01
DUST/AD/327/AAS	H2 range 0-1% / 4% Vol. - 2 years life time	€ 809,62
DUST/AD/340/AAS	NH3 range 0-100ppm - 2 years life time	€ 1.004,26
DUST/AD/340-2/AAS	NH3 range 0-500/1000/5000ppm - 2 years life	€ 1.004,26
DUST/AD/363/AAS	HCN range 0-30ppm - 18 months life time	€ 795,34
DUST/AD/364/AAS	HCl/HBr range 0-30ppm - 2 years life time	€ 1.004,26
DUST/AD/365/AAS	Cl2 range 0-10 / 50ppm - 2 years life time	€ 845,34
DUST/AD/369/AAS	H2S range 0-100ppm - > 2 years life time	€ 660,51
DUST/AD/370/AAS	SO2 range 0-20ppm - 2 years life time	€ 881,05
DUST/AD/380/AAS	SiH4 0-50ppm, GeH4 0-2ppm, 18 months life time	€ 1.259,62
DUST/AD/381/AAS	BF3 range 0-10ppm - 18 months life time	€ 1.097,12
DUST/AD/382/AAS	HF range 0-10ppm - 18 months life time	€ 1.097,12
DUST/AD/383/AAS	NO range 0-100ppm - 2 years life time	€ 881,05
DUST/AD/384/AAS	NO2 range 0-50ppm - 2 years life time	€ 881,05

5.6 Toxic Gases		Price List
Electrochemical Cell	n.3 Relays + RS485 Output	Euro
DUST/AD/320/CCS	CO range 0-300 / 500ppm - > 2 years life time	€ 716,43
DUST/AD/327/CCS	H2 range 0-1% / 4% Vol. - 2 years life time	€ 853,04
DUST/AD/340/CCS	NH3 range 0-100ppm - 2 years life time	€ 1.047,68
DUST/AD/340-2/CCS	NH3 range 0-500/1000/5000ppm - 2 years life	€ 1.047,68
DUST/AD/363/CCS	HCN range 0-30ppm - 18 months life time	€ 838,76
DUST/AD/364/CCS	HCl/HBr range 0-30ppm - 2 years life time	€ 1.047,68
DUST/AD/365/CCS	Cl2 range 0-10 / 50ppm - 2 years life time	€ 888,76
DUST/AD/369/CCS	H2S range 0-100ppm - > 2 years life time	€ 728,93
DUST/AD/370/CCS	SO2 range 0-20ppm - 2 years life time	€ 924,47
DUST/AD/380/CCS	SiH4 0-50ppm, GeH4 0-2ppm, 18 months life time	€ 1.303,04
DUST/AD/381/CCS	BF3 range 0-10ppm - 18 months life time	€ 1.140,54
DUST/AD/382/CCS	HF range 0-10ppm - 18 months life time	€ 1.140,54
DUST/AD/383/CCS	NO range 0-100ppm - 2 years life time	€ 924,47
DUST/AD/384/CCS	NO2 range 0-50ppm - 2 years life time	€ 924,47

5.7 Oxygen		Price List
Electrochemical Cell	O2 range 0-30%Vol.	Euro
DUST/AD/361/AAS	4-20mA + RS485 output - > 2 years life time	€ 641,76
DUST/AD/361/CCS	n.3 Relays + RS485 output - > 2 years life time	€ 685,18

5.8 Explosive & Toxic Gases		Price List
MOS Hybrid Cell (Semiconductor)		Euro
DUST/AD/4xx/AAS	4-20mA + RS485 Output	€ 428,38
DUST/AD/4xx/CCS	n.3 Relays + RS485 Output	€ 471,80

5.9 CO2 Gas Detection		Price List
MOS Hybrid Cell (Semiconductor) for CO2 (range 0-10.000ppm)		Euro
DUST/AD/479/AAS	4-20mA + RS485 Output	€ 481,54
DUST/AD/479/CCS	n.3 Relays + RS485 Output	€ 524,96

5.10 H2S Gas Detection		Price List
Solid State (Semiconductor) for H2S (range 0-50ppm)	High Temperature & VOCs/solvents Resistance	Euro
DUST/AD/469/AAS	4-20mA + RS485 Output	€ 775,65
DUST/AD/469/CCS	n.3 Relays + RS485 Output	€ 819,07

STAINLESS STEEL INDUSTRIAL HOUSING GAS DETECTORS

enose® technology

**6. DUST/AD-INOX**

Micropocessor based gas detector
designed to measure gases concentration with
different range (%L.E.L. or ppm)

Stainless Steel Housing - IP65

Atex II 3G Ex-nA II T6

6.1	Explosive gases	Stainless Steel housing & sensor head	Price List
	High Quality Poison resistant Catalytic Sensor		Euro
DUST/AD/1xxI/AAS		4-20mA + RS485 Output	€ 981,66
DUST/AD/1xxI/CCS		n.3 Relays + RS485 Output	€ 1.037,21

6.2	Explosive gases	Stainless Steel housing & sensor head	Price List
	High Quality Poison resistant Catalytic Sensor		Euro
	Specific Sensor for Ammonia (NH3 - 0-20.000ppm)		
DUST/AD/141I/AAS		4-20mA + RS485 Output	€ 1.022,75
DUST/AD/141I/CCS		n.3 Relays + RS485 Output	€ 1.066,17

6.3	Explosive Gases	Stainless Steel housing & sensor head	Price List
	Infrared Sensor		Euro
DUST/AD/2xxI/AAS		4-20mA + RS485 Output (Range 0-100%LEL)	€ 1.110,85
DUST/AD/2xxI/CCS		n.3 Relays + RS485 Output (Range 0-100%LEL)	€ 1.154,27

6.4	CO2 Gas Detection	Stainless Steel housing & sensor head	Price List
	Infrared Sensor for CO2		Euro
DUST/AD/279I/AAS		4-20mA + RS485 Output (Range 0-20.000ppm)	€ 1.111,58
DUST/AD/279I/CCS		n.3 Relays + RS485 Output (Range 0-20.000ppm)	€ 1.154,27

6.5	Toxic Gases	Stainless Steel housing & sensor head	Price List
	Electrochemical Cell	4-20mA + RS485 Output	Euro
DUST/AD/320I/AAS		CO range 0-300 / 500ppm - > 2 years life time	€ 1.099,53
DUST/AD/327I/AAS		H2 range 0-1% / 4% Vol. - 2 years life time	€ 1.261,13
DUST/AD/340I/AAS		NH3 range 0-100ppm - 2 years life time	€ 1.455,78
DUST/AD/340-2I/AAS		NH3 range 0-500/1000/5000ppm - 2 years life	€ 1.455,78
DUST/AD/363I/AAS		HCN range 0-30ppm - 18 months life time	€ 1.246,85
DUST/AD/364I/AAS		HCl/HBr range 0-30ppm - 2 years life time	€ 1.455,78
DUST/AD/365I/AAS		Cl2 range 0-10 / 50ppm - 2 years life time	€ 1.296,85
DUST/AD/369I/AAS		H2S range 0-100ppm - > 2 years life time	€ 1.112,03
DUST/AD/370I/AAS		SO2 range 0-20ppm - 2 years life time	€ 1.332,56
DUST/AD/380I/AAS		SiH4 0-50ppm, GeH4 0-2ppm, 18 months life time	€ 1.711,13
DUST/AD/381I/AAS		BF3 range 0-10ppm - 18 months life time	€ 1.548,63
DUST/AD/382I/AAS		HF range 0-10ppm - 18 months life time	€ 1.548,63
DUST/AD/383I/AAS		NO range 0-100ppm - 2 years life time	€ 1.332,56
DUST/AD/384I/AAS		NO2 range 0-50ppm - 2 years life time	€ 1.332,56

6.5 Toxic Gases	Stainless Steel housing & sensor head	Price List
Electrochemical Cell	n.3 Relays + RS485 Output	Euro
DUST/AD/320I/CCS	CO range 0-300 / 500ppm - > 2 years life time	€ 1.156,55
DUST/AD/327I/CCS	H2 range 0-1% / 4% Vol. - 2 years life time	€ 1.318,15
DUST/AD/340I/CCS	NH3 range 0-100ppm - 2 years life time	€ 1.512,80
DUST/AD/340-2I/CCS	NH3 range 0-500/1000/5000ppm - 2 years life	€ 1.512,80
DUST/AD/363I/CCS	HCN range 0-30ppm - 18 months life time	€ 1.303,87
DUST/AD/364I/CCS	HCl/HBr range 0-30ppm - 2 years life time	€ 1.512,80
DUST/AD/365I/CCS	Cl2 range 0-10 / 50ppm - 2 years life time	€ 1.353,87
DUST/AD/369I/CCS	H2S range 0-100ppm - > 2 years life time	€ 1.169,05
DUST/AD/370I/CCS	SO2 range 0-20ppm - 2 years life time	€ 1.389,58
DUST/AD/380I/CCS	SiH4 0-50ppm, GeH4 0-2ppm, 18 months life time	€ 1.768,15
DUST/AD/381I/CCS	BF3 range 0-10ppm - 18 months life time	€ 1.605,65
DUST/AD/382I/CCS	HF range 0-10ppm - 18 months life time	€ 1.605,65
DUST/AD/383I/CCS	NO range 0-100ppm - 2 years life time	€ 1.389,58
DUST/AD/384I/CCS	NO2 range 0-50ppm - 2 years life time	€ 1.389,58

6.6 Oxygen	Stainless Steel housing & sensor head	Price List
Electrochemical Cell	O2 range 0-30%Vol.	Euro
DUST/AD/361I/AAS	4-20mA + RS485 output - > 2 years life time	€ 1.093,28
DUST/AD/361I/CCS	n.3 Relays + RS485 output - > 2 years life time	€ 1.150,30

6.7 Explosive & Tox Gases	Stainless Steel housing & sensor head	Price List
MOS Hybrid Cell (Semiconductor)		Euro
DUST/AD/4xxI/AAS	4-20mA + RS485 Output	€ 876,58
DUST/AD/4xxI/CCS	n.3 Relays + RS485 Output	€ 920,00

6.8 CO2 Gas Detection	Stainless Steel housing & sensor head	Price List
MOS Hybrid Cell (Semiconductor) for CO2 (range 0-10.000ppm)		Euro
DUST/AD/479I/AAS	4-20mA + RS485 Output	€ 919,45
DUST/AD/479I/CCS	n.3 Relays + RS485 Output	€ 962,87

6.9 H2S Gas Detection	Stainless Steel housing & sensor head	Price List
Solid State (Semiconductor) for H2S (range 0-50ppm)	High Temperature & VOCs/solvents Resistance	Euro
DUST/AD/469I/AAS	4-20mA + RS485 Output	€ 1.213,56
DUST/AD/469I/CCS	n.3 Relays + RS485 Output	€ 1.267,27

INDUSTRIAL HOUSING GAS DETECTORS**enose® technology****7. DUST/DY**

Microprocessor based gas detector
designed to measure gases concentration with
different range (%L.E.L. or ppm)

With LCD Display 2x8 characters

Aluminium Housing - IP65 Atex II 3G Ex-nA II T6

7.1 Explosive gases		Price List
General Purpose Catalytic sensor		Euro
DUST/DY/1xx/AAS	4-20mA + RS485 Output	€ 561,25
DUST/DY/1xx/CAS	n.3 Relays + 4-20mA + RS485 Output	€ 604,67

7.2 Explosive gases		Price List
High Quality Poison resistant Catalytic Sensor		Euro
DUST/DY/1xxS/AAS	4-20mA + RS485 Output	€ 699,49
DUST/DY/1xxS/CAS	n.3 Relays + 4-20mA + RS485 Output	€ 742,90

7.3 Explosive gases		Price List
High Quality Poison resistant Catalytic Sensor		Euro
Specific Sensor for Ammonia (NH3 - 0-20.000ppm)		
DUST/DY/141S/AAS	4-20mA + RS485 Output	€ 740,58
DUST/DY/141S/CAS	n.3 Relays + 4-20mA + RS485 Output	€ 784,00

7.4 Explosive Gases		Price List
Infrared Sensor		Euro
DUST/DY/2xx/AAS	4-20mA + RS485 Output (Range 0-100%LEL)	€ 855,70
DUST/DY/2xx/CAS	n.3 Relays + 4-20mA + RS485 Output (Range 0-100%LEL)	€ 899,12

7.5 CO2 Gas Detection		Price List
Infrared Sensor for CO2		Euro
DUST/DY/279/AAS	4-20mA + RS485 Output (Range 0-20.000ppm)	€ 855,70
DUST/DY/279/CAS	n.3 Relays + 4-20mA + RS485 Output (Range 0-20.000ppm)	€ 899,12

7.6 Toxic Gases		Price List
Electrochemical Cell		Euro
4-20mA + RS485 Output		
DUST/DY/320/AAS	CO range 0-300 / 500ppm - > 2 years life time	€ 853,38
DUST/DY/327/AAS	H2 range 0-1% / 4% Vol. - > 2 years life time	€ 1.014,99
DUST/DY/340/AAS	NH3 range 0-100ppm - 2 year life time	€ 1.209,63
DUST/DY/340-2/AAS	NH3 range 0-500/1000/5000ppm - 2 years life	€ 1.209,63
DUST/DY/363/AAS	HCN range 0-30ppm - 18 months life time	€ 1.000,70
DUST/DY/364/AAS	HCl/HBr range 0-30ppm - 2 years life time	€ 1.209,63
DUST/DY/365/AAS	Cl2 range 0-10 / 50ppm - 2 years life time	€ 1.050,70
DUST/DY/369/AAS	H2S range 0-30ppm - > 2 years life time	€ 865,88
DUST/DY/370/AAS	SO2 range 0-20ppm - 2 years life time	€ 1.086,42
DUST/DY/380/AAS	SiH4 0-50ppm, GeH4 0-2ppm, 18 months life time	€ 1.464,99
DUST/DY/381/AAS	BF3 range 0-10ppm - 18 months life time	€ 1.302,49
DUST/DY/382/AAS	HF range 0-10ppm - 18 months life time	€ 1.302,49
DUST/DY/383/AAS	NO range 0-100ppm - 2 years life time	€ 1.086,42
DUST/DY/384/AAS	NO2 range 0-50ppm - 2 years life time	€ 1.086,42

7.6 Toxic Gases		Price List
Electrochemical Cell	n.3 Relays + 4-20mA + RS485 Output	Euro
DUST/DY/320/CAS	CO range 0-300 / 500ppm - > 2 years life time	€ 896,80
DUST/DY/327/CAS	H2 range 0-1% / 4% Vol. - > 2 years life time	€ 1.058,41
DUST/DY/340/CAS	NH3 range 0-100ppm - 2 year life time	€ 1.253,05
DUST/DY/340-2/CAS	NH3 range 0-500/1000/5000ppm - 2 years life	€ 1.253,05
DUST/DY/363/CAS	HCN range 0-30ppm - 18 months life time	€ 1.044,12
DUST/DY/364/CAS	HCl/HBr range 0-30ppm - 2 years life time	€ 1.253,05
DUST/DY/365/CAS	Cl2 range 0-10 / 50ppm - 2 years life time	€ 1.094,12
DUST/DY/369/CAS	H2S range 0-30ppm - > 2 years life time	€ 909,30
DUST/DY/370/CAS	SO2 range 0-20ppm - 2 years life time	€ 1.129,84
DUST/DY/380/CAS	SiH4 0-50ppm, GeH4 0-2ppm, 18 months life time	€ 1.508,41
DUST/DY/381/CAS	BF3 range 0-10ppm - 18 months life time	€ 1.345,91
DUST/DY/382/CAS	HF range 0-10ppm - 18 months life time	€ 1.345,91
DUST/DY/383/CAS	NO range 0-100ppm - 2 years life time	€ 1.129,84
DUST/DY/384/CAS	NO2 range 0-50ppm - 2 years life time	€ 1.129,84

7.7 Oxygen		Price List
Electrochemical Cell	O2 range 0-30%Vol.	Euro
DUST/DY/361/AAS	4-20mA + RS485 output - > 2 years life time	€ 847,13
DUST/DY/361/CAS	n.3 Relays + 4-20mA + RS485 output - > 2 years life time	€ 890,55

7.8 Explosive & Tox Gases		Price List
MOS Hybrid Cell (Semiconductor)		Euro
DUST/DY/4xx/AAS	4-20mA + RS485 Output	€ 633,75
DUST/DY/4xx/CAS	n.3 Relays + 4-20mA + RS485 Output	€ 677,17

7.9 CO2 Gas Detection		Price List
MOS Hybrid Cell (Semiconductor) for CO2 (range 0-10.000ppm)		Euro
DUST/DY/479/AAS	4-20mA + RS485 Output	€ 686,91
DUST/DY/479/CAS	n.3 Relays + 4-20mA + RS485 Output	€ 730,33

7.10 H2S Gas Detection		Price List
Solid State (Semiconductor) for H2S (range 0-50ppm)	High Temperature & VOCs/solvents Resistance	Euro
DUST/DY/469/AAS	4-20mA + RS485 Output	€ 981,02
DUST/DY/469/CAS	n.3 Relays + 4-20mA + RS485 Output	€ 1.024,44

STAINLESS STEEL INDUSTRIAL HOUSING GAS DETECTORS

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8. DUST/DY-INOX

Microprocessor based gas detector designed to measure gases concentration with different range (%L.E.L. or ppm)
With LCD Display 2x8 characters
Stainless Steel Housing - IP65

Atex II 3G Ex-nA II T6

8.1 Explosive gases		Stainless Steel housing & sensor head	Price List
High Quality Poison resistant Catalytic Sensor			Euro
DUST/DY/1xxI/AAS	4-20mA + RS485 Output		€ 1.152,74
DUST/DY/1xxI/CAS	n.3 Relays + 4-20mA + RS485 Output		€ 1.196,16
8.2 Explosive gases		Stainless Steel housing & sensor head	Price List
High Quality Poison resistant Catalytic Sensor			Euro
Specific Sensor for Ammonia (NH3 - 0-20.000ppm)			
DUST/DY/141I/AAS	4-20mA + RS485 Output		€ 1.193,83
DUST/DY/141I/CAS	n.3 Relays + 4-20mA + RS485 Output		€ 1.237,25
8.3 Explosive Gases		Stainless Steel housing & sensor head	Price List
Infrared Sensor			Euro
DUST/DY/2xxI/AAS	4-20mA + RS485 Output (Range 0-100%LEL)		€ 1.309,69
DUST/DY/2xxI/CAS	n.3 Relays + 4-20mA + RS485 Output (Range 0-100%LEL)		€ 1.353,11
8.4 CO2 Gas Detection		Stainless Steel housing & sensor head	Price List
Infrared Sensor for CO2			Euro
DUST/DY/279I/AAS	4-20mA + RS485 Output (Range 0-20.000ppm)		€ 1.309,69
DUST/DY/279I/CAS	n.3 Relays + 4-20mA + RS485 Output (Range 0-20.000ppm)		€ 1.353,11
8.5 Toxic Gases		Stainless Steel housing & sensor head	Price List
Electrochemical Cell		4-20mA + RS485 Output	Euro
DUST/DY/320I/AAS	CO range 0-300 / 500ppm - > 2 years life time		€ 1.308,11
DUST/DY/327I/AAS	H2 range 0-1% / 4% Vol. - > 2 years life time		€ 1.469,72
DUST/DY/340I/AAS	NH3 range 0-100ppm - 2 year life time		€ 1.664,36
DUST/DY/340-2I/AAS	NH3 range 0-500/1000/5000ppm - 2 years life		€ 1.664,36
DUST/DY/363I/AAS	HCN range 0-30ppm - 18 months life time		€ 1.455,43
DUST/DY/364I/AAS	HCl/HBr range 0-30ppm - 2 years life time		€ 1.664,36
DUST/DY/365I/AAS	Cl2 range 0-10 / 50ppm - 2 years life time		€ 1.505,43
DUST/DY/369I/AAS	H2S range 0-30ppm - > 2 years life time		€ 1.320,61
DUST/DY/370I/AAS	SO2 range 0-20ppm - 2 years life time		€ 1.541,14
DUST/DY/380I/AAS	SiH4 0-50ppm, GeH4 0-2ppm, 18 months life time		€ 1.919,72
DUST/DY/381I/AAS	BF3 range 0-10ppm - 18 months life time		€ 1.757,22
DUST/DY/382I/AAS	HF range 0-10ppm - 18 months life time		€ 1.757,22
DUST/DY/383I/AAS	NO range 0-100ppm - 2 years life time		€ 1.541,14
DUST/DY/384I/AAS	NO2 range 0-50ppm - 2 years life time		€ 1.541,14

8.5 Toxic Gases	Stainless Steel housing & sensor head	Price List
Electrochemical Cell	n.3 Relays + 4-20mA + RS485 Output	Euro
DUST/DY/320I/CAS	CO range 0-300 / 500ppm - > 2 years life time	€ 1.351,53
DUST/DY/327I/CAS	H2 range 0-1% / 4% Vol. - > 2 years life time	€ 1.513,14
DUST/DY/340I/CAS	NH3 range 0-100ppm - 2 year life time	€ 1.707,78
DUST/DY/340-2I/CAS	NH3 range 0-500/1000/5000ppm - 2 years life	€ 1.707,78
DUST/DY/363I/CAS	HCN range 0-30ppm - 18 months life time	€ 1.498,85
DUST/DY/364I/CAS	HCl/HBr range 0-30ppm - 2 years life time	€ 1.707,78
DUST/DY/365I/CAS	Cl2 range 0-10 / 50ppm - 2 years life time	€ 1.548,85
DUST/DY/369I/CAS	H2S range 0-30ppm - > 2 years life time	€ 1.364,03
DUST/DY/370I/CAS	SO2 range 0-20ppm - 2 years life time	€ 1.584,56
DUST/DY/380I/CAS	SiH4 0-50ppm, GeH4 0-2ppm, 18 months life time	€ 1.963,14
DUST/DY/381I/CAS	BF3 range 0-10ppm - 18 months life time	€ 1.800,64
DUST/DY/382I/CAS	HF range 0-10ppm - 18 months life time	€ 1.800,64
DUST/DY/383I/CAS	NO range 0-100ppm - 2 years life time	€ 1.584,56
DUST/DY/384I/CAS	NO2 range 0-50ppm - 2 years life time	€ 1.584,56
8.6 Oxygen	Stainless Steel housing & sensor head	Price List
Electrochemical Cell	O2 range 0-30%Vol.	Euro
DUST/DY/361I/AAS	4-20mA + RS485 output - > 2 years life time	€ 1.301,86
DUST/DY/361I/CAS	n.3 Relays + 4-20mA + RS485 output - > 2 years life time	€ 1.345,28
8.7 Explosive & Tox Gases	Stainless Steel housing & sensor head	Price List
MOS Hybrid Cell (Semiconductor)		Euro
DUST/DY/4xxI/AAS	4-20mA + RS485 Output	€ 1.085,17
DUST/DY/4xxI/CAS	n.3 Relays + 4-20mA + RS485 Output	€ 1.128,59
8.8 CO2 Gas Detection	Stainless Steel housing & sensor head	Price List
MOS Hybrid Cell (Semiconductor) for CO2 (range 0-10.000ppm)		Euro
DUST/DY/479I/AAS	4-20mA + RS485 Output	€ 1.138,33
DUST/DY/479I/CAS	n.3 Relays + 4-20mA + RS485 Output	€ 1.181,75
8.9 H2S Gas Detection	Stainless Steel housing & sensor head	Price List
High Temperature & VOCs/solvents Resistance		Euro
Solid State (Semiconductor) for H2S (range 0-50ppm)		
DUST/DY/469I/AAS	4-20mA + RS485 Output	€ 1.432,44
DUST/DY/469I/CAS	n.3 Relays + 4-20mA + RS485 Output	€ 1.465,56

9. PARK-4

Microprocessor based gas detector
Designed to measure CO and gasoline vapors or LPG
Aluminium body IP65



9.1 Explosive gases		Price List
General Purpose Catalytic sensor range 0-100%LEL (Life time: 3 - 5 years)		Euro
PK/100/AAA	4-20mA Output	€ 170,66
PK/100/AAS	4-20mA + RS485 Output	€ 186,48
9.2 CO (Carbon Monoxide)		Price List
Electrochemical cell range 0-1000 ppm (Life time: 5 years)		Euro
PK/320/AAA	4-20mA Output	€ 182,06
PK/320/AAS	4-20mA + RS485 Output	€ 197,88
9.3 NOx (Nitrogen Dioxide)		Price List
Electrochemical cell range 0-30 ppm (Life time: 2 years)		Euro
TP/384/AAA	4-20mA Output	€ 232,06
TP/384/AAS	4-20mA + RS485 Output	€ 247,88
9.4 TWINPARK		Price List
Combined dual sensors detector		Euro
TP/320-100/AAA	2 x 4-20mA Output	€ 437,95
TP/320-100/AAS	2 x 4-20mA + RS485 Output	€ 468,25

10. Configurations & Product Codes

Part number description

Body	Housing	Sensor Technology	Output Configuration Code
RAS: ATEX II 2G Ex d IIC T6 IP65	AD	1xx(S): Standard or High Quality Catalytic sensor 2xx: Infrared Sensor	AAS: 4-20mA + RS485 CCS: n.3 Relays + RS485
DUST: Aluminium Standard ALsi12 IP65	DY	3xx: Electrochemical Cell 4xx: MOS Semiconductor Sensor	AAS: 4-20mA + RS485 CAS: n.3 Relays + 4-20mA + RS485
PARK: Sandblasted die-cast aluminium IP65		1xx: Standard Catalytic sensor 4xx: MOS Semiconductor Sensor	AAA: 4-20mA

Example: composition of Part number for a standard catalytic sensor for methane in execution EEx-d with proportional output 4-20 mA + RS485

cod.

RAS/AD/101/AAS



Example: composition of Part number for an High Quality catalytic sensor for methane in execution EEx-d with Display, relays, proportional 4-20mA and RS485 outputs

cod.

RAS/DY/101S/CAS



Example: composition of Part number for a toxic gas with electrochemical cell for ammonia in execution Dust IP65 with relays and RS485 outputs

cod.

DUST/AD/340/CCS



Example: composition of Part number for a toxic gas with semiconductor sensor for CO2 in execution Dust IP65 with display, relays, proportional 4-20mA and RS485 outputs

cod.

DUST/DY/479/CAS



Example: composition of Part number for a toxic gas with semiconductor sensor for CO in execution Park IP65 with proportional output 4-20 mA

cod.












PK/420/AAA



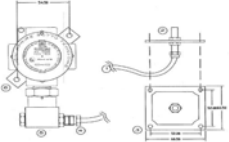
















11. Gas Detector Accessories

Price List

Euro

<p>DUST/DY-28</p> <p>Remote display</p> <p>Remote display with Relay Actuator and analogue output 4-20mA LCD Display 8 characters x 2 lines, Rugged and ultra compact 3 Relays + 4-20mA output Maximum switch power 1W Maximum switch voltage 100 Vdc Power Requirements 12 or 24 Vdc</p>		€ 475,63
<p>DUST/DY-28I</p> <p>Stainless Steel Remote display</p> <p>Remote display with Relay Actuator and analogue output 4-20mA LCD Display 8 characters x 2 lines, Rugged and ultra compact 3 Relays + 4-20mA output Maximum switch power 1W Maximum switch voltage 100 Vdc Power Requirements 12 or 24 Vdc</p>		€ 874,10
<p>RAS/DY-28</p> <p>Remote display</p> <p>ATEX version Remote display with Relay Actuator and analogue output 4-20mA LCD Display 8 characters x 2 lines, Rugged and ultra compact 3 Relays + 4-20mA output, Included ATEX Cable Holders Maximum switch power 1W Maximum switch voltage 100 Vdc Power Requirements 12 or 24 Vdc</p>		€ 693,27
<p>RAS/DY-28I</p> <p>Stainless Steel Remote display</p> <p>ATEX version Remote display with Relay Actuator and analogue output 4-20mA LCD Display 8 characters x 2 lines, Rugged and ultra compact 3 Relays + 4-20mA output, Included ATEX Cable Holders Maximum switch power 1W Maximum switch voltage 100 Vdc Power Requirements 12 or 24 Vdc</p>		€ 1.569,14
<p>BT-485</p> <p>RS485/Bluetooth Converter</p> <p>Bluetooth / RS485 converter enose® gas sensors RS485 Interface to Laptop PC or palm top device with standard Bluetooth radio interface. Simplifying test and setting operations of main functional parameters by our operator interface software Enose®Blue. Power Requirements 20 - 40 Vdc</p>		€ 280,33
<p>BT-485-EX</p> <p>RS485/Bluetooth Converter</p> <p>ATEX version enose® gas sensors RS485 Interface to Laptop PC or palm top device with standard Bluetooth radio interface. Simplifying test and setting operations of main functional parameters by our operator interface software Enose®Blue. Power Requirements 20 - 40 Vdc</p>		€ 515,85
<p>Microflow</p> <p>Micro Pump 4 l/min.; Flow indicator Flow Alarm Sample rate 0,25-4 l/min.</p>		€ 975,00
<p>Microflow-Filter</p> <p>Plastic air filter for Microflow Pump</p>		€ 112,50
<p>GDA-Filtbag</p> <p>Filter replacement kit for sample probe assembly. Includes 10 ea. 61-046 particulate and 3ea. 61-047 hydrophobic filters.</p>		€ 62,50
<p>GDA-KBRD</p> <p>Keyboards kit with magnetic switch for gas detectors model RAS/DY</p>		€ 112,50
<p>GDA-CO</p> <p>Stainless Steel body Maximise the exposure of a gas or vapour, particularly useful when leak of gases lighter than air are possible.</p>		€ 100,00

11. Gas Detector Accessories			Price List Euro
GDA-SD Water splashing protection device for GM2 head	Splash Deflector		€ 45,00
GDA-DUCT-D2E Kit adaptor for air ducts, complete with n.2 sampling tubes (0,3 - 0,6m) and (0,6 - 2,4m) Does not include detector.	(D2E + DST1.5 + DST3)		€ 364,00
GDA-DUCT Kit adaptor for gas detector installation for air ducts Composed of fixing plate, sample hose, fast coupling union, GM1 or GM2 adaptor	Duct Kit		€ 142,50
GDA-M/B-KF6 Mounting Brackets for gas detectors RAS model	Mounting Brackets		€ 8,60
GDA-M/B-KF6I Mounting Brackets for gas detectors RAS model	Stainless Steel Mounting Bracket		€ 37,50
GDA-CH34-NA ATEX certified Size 3/4" for RAS model Detectors Complete of rubber parts	Cable Holder for Not Armoured cables (PA 2-X)		€ 34,03
GDA-CH34 ATEX certified Size 3/4" for RAS model Detectors Complete of rubber parts	Cable Holder for Armoured cables (PAP 2-X)		€ 49,40
GDA-CH34I-NA ATEX certified Stainless Steel Size 3/4" for RAS model Detectors Complete of rubber parts	Cable Holder FOR Not armoured cables (PA 2-XI4)		€ 140,28
GDA-CH34I ATEX certified Stainless Steel Size 3/4" for RAS model Detectors Complete of rubber parts	Cable Holder for Armoured cables (PAP 2-XI4)		€ 181,65
GDA-EYS2 The sealing fittings series EYS made of light alloy	Sealing fitting EYS (EYS-2)		€ 18,96
GDA-NP2	3/4" Nipple ATEX (NP-2)		€ 6,50
GDA-ELF2	3/4" Curves ATEX (ELF-2)		€ 22,75
GDA-RACC3P ATEX Certified Union with 3 pieces Nipple 1" (NP3) + Union 3pcs 3/4" (BMF2) Reduction from 1" female to 3/4" male (REB32)	3 pieces Union		€ 22,00
GDA-FA-1 For GM1 sensor heads (DUST series) Enable gas samples to be piped to the detecting heads.	Flow Adaptor		€ 80,00
GDA-FA-2 For GM2 sensor heads (RAS series) Enable gas samples to be piped to the detecting heads.	Flow Adaptor		€ 80,00
GDA-MAG-1 Magnet for GM1 sensor heads (DUST series)	Magnet for calibration		€ 15,00
GDA-MAG-2 Magnet for GM2 sensor heads (RAS series)	Magnet for calibration		€ 15,00

11. Gas Detector Accessories Price List
Euro

GDA-HF-1	Humidity Filter	€ 87,50
Humidity filter for GM1 sensor head (DUST series)		
GDA-HF-2	Humidity Filter	€ 87,50
Humidity filter for GM2 sensor head (RAS series)		
GDA-WF-1	Water Filter	€ 87,50
Water filter for GM1 sensor head (DUST series)		
GDA-WF-2	Water Filter	€ 87,50
Water filter for GM2 sensor head (RAS series)		
GDA-CF-1	Carbon Filter	€ 87,50
Carbon filter for GM1 sensor head (DUST series) For gas interference reduction		
GDA-CF-2	Carbon Filter	€ 87,50
Carbon filter for GM2 sensor head (RAS series) For gas interference reduction		



EnoseBlu		€ 925,00
Special software for enose Gas Transmitters maintenance and configuration. Data Log capability, Trends, Calibration report, Stand-Alone calibration station. Complete of USB/RS485 connection cable		



11. Gas Detector Accessories

Price List
Euro

Gas Test Kits

The Kit consists of a Polypropylene toolbag including: two canisters of single gas or mixture (34lt @ 34bar), control valve for canister 0,3l/min. with flow indicator, 3m polyurethane pipe, calibrator adapters for gas detector head, and magnet for calibration.

Cod.	Gas Mixture		
GDA-TK-01	2,2% Vol. CH4 (50%LEL)		€ 900,44
GDA-TK-04	0,85% Vol. Propane (50%LEL)		€ 900,44
GDA-TK-20	xxx ppm CO		€ 900,44
GDA-TK-27	2% Vol. H2 (50%LEL)		€ 900,44
GDA-TK-40	xxx ppm NH3		€ 1.013,65
GDA-TK-61	xx% Vol. O2		€ 900,44
GDA-TK-N2	99,99% Vol. N2		€ 900,44
GDA-TK-69	xx ppm H2S		€ 1.013,65
GDA-TK-79	5.000 ppm CO2		€ 900,44

GDA-TK

Polipropylene toolbag (without accessories)



€ 113,97

Gas Test Canisters 34

Gas Test canisters containing 34 litres of gas at 34bar pressure (about 100 tests / 50 calibrations)

Cod.	Gas Mixture		
GDA/S-Can34/01	2,2% Vol. CH4 (50%LEL)		€ 182,14
GDA/S-Can34/04	0,85% Vol. Propane (50%LEL)		€ 182,14
GDA/S-Can34/20	xxx ppm CO		€ 182,14
GDA/S-Can34/27	2% Vol. H2 (50%LEL)		€ 182,14
GDA/S-Can34R/40	xxx ppm NH3		€ 238,75
GDA/S-Can34/61	xx% Vol. O2		€ 182,14
GDA/S-Can34/N2	99,99% Vol. N2		€ 182,14
GDA/S-Can34R/69	xx ppm H2S		€ 238,75
GDA/S-Can34/79	5.000 ppm CO2		€ 182,14

Many other mixtures and concentrations available on request.

Gas Test Canisters 58

Gas Test canisters containing 58 litres of gas at 34bar pressure (about 150 tests / 85 calibrations)

Cod.	Gas Mixture		
GDA/S-Can58/01	2,2% Vol. CH4 (50%LEL)		€ 221,93
GDA/S-Can58/04	0,85% Vol. Propane (50%LEL)		€ 221,93
GDA/S-Can58/20	xxx ppm CO		€ 221,93
GDA/S-Can58/27	2% Vol. H2 (50%LEL)		€ 221,93
GDA/S-Can58R/40	xxx ppm NH3		€ 273,36
GDA/S-Can58/61	xx% Vol. O2		€ 221,93
GDA/S-Can58/N2	99,99% Vol. N2		€ 221,93
GDA/S-Can58R/69	xx ppm H2S		€ 273,36
GDA/S-Can58/79	5.000 ppm CO2		€ 221,93

Many other mixtures and concentrations available on request.

GDA/S-Reg

Control valve + pressure indicator



€ 275,00

GDA/MultiReg

Adjustable control valve + pressure indicator

Selectable flows: 0, 0.3, 0.5, 0.7, 0.9, 1.2, 1.5, 2.0, 2.5, 3.0 l/min.



€ 520,00

12. Electronic Heat Detector TMP2




High reliability, dependable long-life.
 Immune from EMI disturbances and virtually eliminate false alarms.
 Temperature set-point levels setting from -20°C to 110°C.
 Self-diagnosis procedure. Two wire technology.
 TMP2 detectors are sturdy, shock and vibration resistant and are compatible with all fire alarm control panel.
 Particularly suitable in dangerous environmental conditions such as in the presence of corrosive elements or condensing steams.
ATEX Approved II 2G Ex d IIC T6 IP65 / IP66 Protection Range



Certified CE 0068-CPR-009/2014


12.1 TMP2 Price List

ATEX certified heat detectors II 2G Ex d IIC T6 - IP66 Rated Euro

TMP2-J-...		1 way 1/2" connection box (Do not use for Fire Detection)	€ 238,05
TMP2-T-...		2 ways 1/2" T-box connection (Do not use for Fire Detection)	€ 249,27
TMP2-JO-...		1 way 1/2" connection box with glass - EN54-5 CPR Class A2-C +D (Pending)	€ 361,85
TMP2-TO-...		2 ways 1/2" T-box connection with glass - EN54-5 CPR class A2-C +D (Pending)	€ 370,08
TMP2-J-xx/AA		Atex housing - 4-20mA output (Do not use for Fire Detection)	€ 316,14









12.2 TMP2 Price List

Aluminium Housing for Industrial Application IP65 Euro

TMP2-D-...		Aluminium housing IP65 - EN54-5 CPR Class A2-C +D (Pending)	€ 225,63
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13. Heat Detector Accessories Price List

Euro

TMP2-P-...			€ 175,20
TMP2-SC14	Ex d Term. Box		€ 65,00
TMP2-REM			€ 42,67
TMP2-Base			€ 15,88
GDA-M/B-KF4A	Mounting Brackets		€ 10,00
GDA-CH12-NA	ATEX certified Cable Holder		€ 28,17
GDA-CH12	ATEX certified Cable Holder		€ 39,43
TMP_Configurator			€ 925,00

14. RILEVATORI DI FIAMMA UV-UV/IR-IR3 / UV-UV/IR-IR3 Flame Detectors

Adatti per rilevare fiamme da Idrocarburi leggeri e pesanti (Legno, Carta, Petrolio, Gas Naturale) e fiamme derivanti da Idrogeno (per i modelli UV e UV/IR). Cono di visione 90°, buona immunità a falsi stimoli. Alimentazione 10-28Vcc, grado di protezione IP65, tutti i modelli hanno i seguenti certificati: EN54-10 e ATEX cat. 3 per utilizzo in zone 2/22.



Flame detectors are suitable for the detection of light and heavy Hydrocarbons fires (Wood, Paper, Petrol, Natural Gas) as well as Hydrogen fires (the UV and UV/IR models). The detector has a cone of vision of 90 degrees and have a good immunity against false stimuli. 10-28 Vdc, IP65, all models have the following certificates: EN54-10 and ATEX cat. 3 for zone 2/22

II 3G Ex nA IIC T4 Gc / II 3D Ex tc IIIC T71°C Dc, T.amb -25°C --> +70°C

14.1 Rilevatori di Fiamma UV / UV Flame detector

Uscite 4-20mA, Relè, assorbimento (per centraline convenzionali)
4-20mA, Relays & sink current (conventional)

Cod.	Descrizione / Description	Price LIST	Euro
UV-185/5CZ	Custodia in GRP (vetroresina), 10-28Vcc, Atex zona 2/22, EN54-10, allarmi latched. GRP Housing, 10-28Vdc, for hazardous zone 2/22, EN54-10, fixed sensitivity setting, latching alarm	€	2.487,50

14.2 Rilevatori di Fiamma UV/IR / UV/IR Flame detector

Uscite 4-20mA, Relè, assorbimento (per centraline convenzionali)
4-20mA, Relays & sink current (conventional)

Cod.	Descrizione / Description	Price LIST	Euro
UV/IR-210/1CZ	Custodia in GRP (vetroresina), 10-28Vcc, Atex zona 2/22, EN54-10, allarmi latched. GRP Housing, 10-28Vdc, for hazardous zone 2/22, EN54-10, fixed sensitivity setting, latching alarm	€	2.737,50

14.3 Rilevatori di Fiamma IR3 / IR3 Flame detector

Uscite 4-20mA, Relè, assorbimento (per centraline convenzionali)
4-20mA, Relays & sink current (conventional)

Cod.	Descrizione / Description	Price LIST	Euro
IR3-109/1CZ	Custodia in GRP (vetroresina), 10-28Vcc, Atex zona 2/22, EN54-10, allarmi latched. GRP Housing, 10-28Vdc, for hazardous zone 2/22, EN54-10, fixed sensitivity setting, latching alarm	€	3.237,50

14.4 Accessori / Accessories

Cod.	Descrizione / Description	Price List	Euro
SM21	Supporto snodabile in poliammide PA66 per esterni e zone Atex 2/22, resistente agli UV. Swivel mount made of PA66, suitable for outdoor and ATEX zone 2/22 applications, UV resistant	€	195,00
TC-169/1	Lampada Test non EX con batterie ricaricabili, inclusi carica batterie e valigetta. Test lamp with rechargeable battery, incl. charger and carrying case, non EX.	€	1.795,00
TC-940/1Z	Lampada Test a sicurezza intrinseca, con batterie ricaricabili, inclusi carica batterie e valigetta. Test lamp, incl. charger and instructions plus carrying case, Intrinsically safe	Disponibile a breve/Available soon	

**Standard Catalytic Sensors
Gas Selection Table**

Alphabetic Order

Gas Name ↓	Formula	Gas Code	Standard Range	LEL %v/v
Ammonia	NH3	40	0-100%LEL	15
Butane	C4H10	05	0-100%LEL	1,5
L.P.G.	mix.	02	0-100%LEL	
Gasoline vapors	mix.	10	0-100%LEL	
General Explosive	HC	00	0-100%LEL	
Heptane	C7H16	42	0-100%LEL	1,1
Hydrogen	H2	27	0-100%LEL	4
Methane	CH4	01	0-100%LEL	5
Pentane	C5H12	03	0-100%LEL	1,4
Propane	CH3CH2CH3	04	0-100%LEL	2

Gas Code Order

Gas Name	Form.	Gas Code ↓	Standard Range	LEL %v/v
General Explosive	HC	00	0-100%LEL	
Methane	CH4	01	0-100%LEL	5
L.P.G.	mix.	02	0-100%LEL	
Pentane	C5H12	03	0-100%LEL	1,4
Propane	C3H8	04	0-100%LEL	2
Butane	C4H10	05	0-100%LEL	1,5
Gasoline vapors	mix.	10	0-100%LEL	
Hydrogen	H2	27	0-100%LEL	4
Ammonia	NH3	40	0-100%LEL	15
Heptane	C7H16	42	0-100%LEL	1,1

**MOS Semiconductor Sensors
Gas Selection Table**

Alphabetic Order

Gas Name ↓	Formula	Gas Code	Standard Range	LEL %v/v	Note
Ammonia	NH3	40	0-100ppm	15	Low Cross Sensitivity to CH4, CO, H2
Carbon Dioxide	CO2	79	0-10.000ppm	1,5	
Carbon Monoxide	CO	20	0-400ppm		
Ethanol	C2H5OH	46	0-1.000ppm		
Flammable gas	HC	00	0-10.000ppm		
Hydrogen	H2	27	0-1.000ppm	4	
Toluene	C7H8	47	0-1.000ppm	1,1	

**MOS Semiconductor Sensors
Gas Selection Table**

Gas Code Order

Gas Name	Formula	Gas Code ↓	Standard Range	LEL %v/v	Note
Flammable gas	HC	00	0-10.000ppm		
Carbon Monoxide	CO	20	0-400ppm		
Hydrogen	H2	27	0-1.000ppm	4	
Ammonia	NH3	40	0-100ppm	15	Low Cross Sensitivity to CH4, CO, H2
Ethanol	C2H5OH	46	0-1.000ppm		
Toluene	C7H8	47	0-1.000ppm	1,1	
Carbon Dioxide	CO2	79	0-10.000ppm	1,5	

**Infrared sensors
Gas Selection Table**

Alphabetic Order

Gas Name ↓	IR Ref.	Gas Code	Standard Range	LEL %v/v
Butane	HC	05	0-2% vol.	1,5
Ethane	HC	9R	0-3% vol.	2,5
Ethanol	HC	46	0-5% vol.	
Ethylene	HC	38	0-3% vol.	2,3
Ethylene Oxide	HC	39	0-3% vol.	2,6
Hexane	HC	56	0-1% vol.	1
Methane	HC	01	0-5% vol.	4,4
Methane	HC	01	0-100% vol.	4,4
Methyl Bromide	HC	90	0-25.000 ppm	10
Pentane	HC	03	0-2% vol.	1,4
Propane	HC	04	0-100% vol.	1,7
Propylene	HC	98	0-2% vol.	2,1

Gas Code Order

Gas Name	IR Ref.	Gas Code ↓	Standard Range	LEL %v/v
Methane	HC	01	0-5% vol.	4,4
Methane	HC	01	0-100% vol.	4,4
Pentane	HC	03	0-2% vol.	1,4
Propane	HC	04	0-100% vol.	1,7
Butane	HC	05	0-2% vol.	1,5
Ethylene	HC	38	0-3% vol.	2,3
Ethylene Oxide	HC	39	0-3% vol.	2,6
Ethanol	HC	46	0-5% vol.	
Hexane	HC	56	0-1% vol.	1
Propylene	HC	98	0-2% vol.	2,1
Methyl Bromide	HC	90	0-25.000 ppm	10
Ethane	HC	9R	0-3% vol.	2,5

Gas Name	IR Ref.	Gas Code	Standard Range	LEL %v/v	Resolution
Carbon Dioxide	CO2	79	0-500ppm		10 ppm from 0 to 250 ppm, then 20 ppm up to full scale
Carbon Dioxide	CO2	79	0-1000ppm		20 ppm from 0 to 500 ppm, then 40 ppm up to full scale
Carbon Dioxide	CO2	79	0-2000ppm		50 ppm from 0 to 1000 ppm, then 100 ppm up to full scale
Carbon Dioxide	CO2	79	0-5000ppm		50 ppm from 0 to 2500 ppm, then 100 ppm up to full scale
Carbon Dioxide	CO2	79	0-10.000ppm		100 ppm from 0 to 5000 ppm, then 200 ppm up to full scale
Carbon Dioxide	CO2	79	0-2% volume		0,025% vol from 0 to 1% vol, then 0,05% vol up to full scale
Carbon Dioxide	CO2	79	0-5% volume		0,025% vol from 0 to 2,5% vol, then 0,05% vol up to full scale
Carbon Dioxide	CO2	79	0-10% volume		0,025% vol from 0 to 1% vol, then 0,05% vol up to full scale
Carbon Dioxide	CO2	79	0-20% volume		0,05% vol from 0 to 1% vol, then 0,05% vol up to full scale
Carbon Dioxide	CO2	79	0-30% volume		0,025% vol from 0 to 1% vol, then 0,05% vol up to full scale
Carbon Dioxide	CO2	79	0-60% volume		0,025% vol from 0 to 1% vol, then 0,05% vol up to full scale
Carbon Dioxide	CO2	79	0-100% volume		0,025% vol from 0 to 1% vol, then 0,05% vol up to full scale

Gas Name	IR Ref.	Gas Code	Standard Range	LEL %v/v	Resolution
Carbon Dioxide	CO2	79	0-500ppm		10 ppm from 0 to 250 ppm, then 20 ppm up to full scale
Carbon Dioxide	CO2	79	0-1000ppm		20 ppm from 0 to 500 ppm, then 40 ppm up to full scale
Carbon Dioxide	CO2	79	0-2000ppm		50 ppm from 0 to 1000 ppm, then 100 ppm up to full scale
Carbon Dioxide	CO2	79	0-5000ppm		50 ppm from 0 to 2500 ppm, then 100 ppm up to full scale
Carbon Dioxide	CO2	79	0-10.000ppm		100 ppm from 0 to 5000 ppm, then 200 ppm up to full scale
Carbon Dioxide	CO2	79	0-2% volume		0,025% vol from 0 to 1% vol, then 0,05% vol up to full scale
Carbon Dioxide	CO2	79	0-5% volume		0,025% vol from 0 to 2,5% vol, then 0,05% vol up to full scale
Carbon Dioxide	CO2	79	0-10% volume		0,025% vol from 0 to 1% vol, then 0,05% vol up to full scale
Carbon Dioxide	CO2	79	0-20% volume		0,05% vol from 0 to 1% vol, then 0,05% vol up to full scale
Carbon Dioxide	CO2	79	0-30% volume		0,025% vol from 0 to 1% vol, then 0,05% vol up to full scale
Carbon Dioxide	CO2	79	0-60% volume		0,025% vol from 0 to 1% vol, then 0,05% vol up to full scale
Carbon Dioxide	CO2	79	0-100% volume		0,025% vol from 0 to 1% vol, then 0,05% vol up to full scale

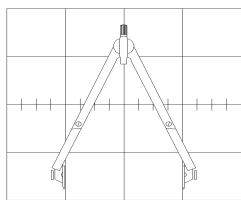
High Quality Catalytic Sensors Gas Selection Table

Alphabetic Order

Gas Name	Formula	Gas Code	Standard Range	LEL %v/v
1,2-Propylene Oxide	C6H6O	9G	0-100%LEL	2,1
1,3-Butadiene	C4H6	23	0-100%LEL	1,4
1,4-Dioxane	C4H8O2	59	0-100%LEL	1,9
1,4-Hexadiene	C6H10	9H	0-100%LEL	2
1-Butene	C4H8	9E	0-100%LEL	1,6
1-Pentene	C5H10	9F	0-100%LEL	1,4
Acetaldehyde	CH3CHO	11	0-100%LEL	4
Acetic Acid	CH3COOH	12	0-100%LEL	4
Acetic Anhydride	(CH3CO)2O	14	0-100%LEL	2
Acetone	(CH3)2CO	13	0-100%LEL	2,15
Acetonitrile	C2H3N	06	0-100%LEL	3
Acetylene	C2H2	15	0-100%LEL	1,5
Ammonia	NH3	41	0-100%LEL	15
Aniline	C6H5NH2	18	0-100%LEL	1,2
Benzene	C6H6	07	0-100%LEL	1,2
Butane	C4H10	05	0-100%LEL	1,5
Butyl Acetate	C6H12O6	16	0-100%LEL	1,3
Carbon Disulphide	CS2	52	0-100%LEL	0,6
Carbon Monoxide	CO	19	0-100%LEL	10,9
Carbonyl sulphide	COS	17	0-100%LEL	6,5
Chlorobenzene	C6H5Cl	9I	0-100%LEL	1,3
Cis-but2ene	C4H8	28	0-100%LEL	1,6
Cyanogen	(CN)2	54	0-100%LEL	6
Cyclohexane	CH2 (CH2)4 CH2	30	0-100%LEL	1,2
Cyclopropane	CH2 CH2 CH2	31	0-100%LEL	2,4
Decane	C10H22	55	0-100%LEL	0,7
Diethyl Ether	(C2 H5)2 O	33	0-100%LEL	1,7
Diiso-Propyl Ether	C6H14O	21	0-100%LEL	1
Dimethyl Ether	C2H6O	68	0-100%LEL	2,2
Dimethylamine	(CH3)2 HN	34	0-100%LEL	2,8
Dimethylbutane	(CH3)3CCH2CH3	25	0-100%LEL	1,1
Dimethylhydrazine	(CH3)2NNH2	43	0-100%LEL	2,4
Dimethylpentane	C7H16	44	0-100%LEL	1,2
Dimethylsulphide	(CH3)4C	58	0-100%LEL	0,7
Ethane	C2H6	9R	0-100%LEL	2,5
Ethyl Acetate	C4H8O2	45	0-100%LEL	2,2
Ethyl Alcohol	C2H5OH	46	0-100%LEL	3,1
Ethyl Benzene	C2H5C6H5	37	0-100%LEL	1
Ethyl Bromide	C2H5Br	48	0-100%LEL	6,7
Ethyl Chloride	C2H5Cl	49	0-100%LEL	3,6
Ethyl Formate	C3H6O2	9K	0-100%LEL	2,7
Ethyl Methyl Ether	C3H8O	53	0-100%LEL	2
Ethylamine	C2H7N	60	0-100%LEL	2,68
Ethylcyclopentane	C7H14	9J	0-100%LEL	1,05
Ethylene	CH2=CH2	38	0-100%LEL	2,3
Ethylene Dichloride	C2H4Cl2	50	0-100%LEL	7,3
Ethylene Oxide	CH2=CH2 O	39	0-100%LEL	2,6
Ethylmercaptan	C2H6S	9L	0-100%LEL	2,8
Gasoline vapors	mix.	10	0-100%LEL	
General Explosive	HC	00	0-100%LEL	4,4
Heptane - mixed isomers	C7H16	42	0-100%LEL	1,1
Hexane - mixed isomers	C6H14	56	0-100%LEL	1
Hydrazine	H4N2	62	0-100%LEL	4,7
Hydrogen	H2	27	0-100%LEL	4
Hydrogen cyanide	HCN	66	0-100%LEL	5,4
Hydrogen Sulphide	H2S	69	0-100%LEL	4
Iso-Butane	C4H10	24	0-100%LEL	1,3
Iso-Butyl Alcohol	C4H10 O	32	0-100%LEL	2
Isobutylene	C4H8	57	0-100%LEL	1,8
Iso-Pentane	C5H12	72	0-100%LEL	1,4
Isoprene	C5H8	9T	0-100%LEL	
Iso-Propyl Alcohol	C3H7OH	76	0-100%LEL	2
L.P.G.	mix.	02	0-100%LEL	
Methane	CH4	01	0-100%LEL	4,4
Methyl Acetate	C3H6O2	67	0-100%LEL	3,2
Methyl Alcohol	CH3OH	08	0-100%LEL	5,5
Methyl Bromide	CH3BR	9O	0-100%LEL	10
Methyl Chloride	CH3Cl	9Q	0-100%LEL	7,6
Methyl Ethyl Ketone	C2H5COCH3	22	0-100%LEL	1,8
Methyl Formate	C2H4O2	73	0-100%LEL	5
Methyl Hexane	C7H16	86	0-100%LEL	1,2
Methyl Mercaptan	CH3SH	74	0-100%LEL	3,9
Methyl Propyl Ketone	C5H10O	90	0-100%LEL	1,6
Methylamine	CH5N	9M	0-100%LEL	4,2
Methylcyclohexane	C7H14	9N	0-100%LEL	1,15
Methylene Chloride	CH2Cl2	85	0-100%LEL	15,5
Methylhydrazine	CH6N2	88	0-100%LEL	2,5
Methylpentane	C6H14	89	0-100%LEL	1,1
Methylpropionate	C4H8O2	75	0-100%LEL	2,5
M-Xylene	C2H9	91	0-100%LEL	1,1
N-Butane	C4H10	93	0-100%LEL	1,4
N-Butyl Alcohol	CH3(CH2)2 CH2OH	09	0-100%LEL	1,4
N-Butyric Acid	C4H8O2	51	0-100%LEL	2
Neo-Pentane	C5H12	92	0-100%LEL	1,4
Nitromethane	CH3NO2	77	0-100%LEL	7,3
N-Nonane	C9H20	78	0-100%LEL	0,7
N-Octane	C8H18	9S	0-100%LEL	0,8
N-Propyl Alcohol	C3H8O	94	0-100%LEL	2,2
N-Propyl Chloride	C3H7Cl	95	0-100%LEL	2,4
N-Propylamine	C3H9N	9P	0-100%LEL	2
O-Xylene	C8H10	96	0-100%LEL	1
Pentane - mixed isomers	C5H12	03	0-100%LEL	1,4
Propane	CH3CH2CH3	04	0-100%LEL	1,7
Propene	C3H6	97	0-100%LEL	2
Propylene Oxide	C3H6O	98	0-100%LEL	2,1
Propyne	C3H4	87	0-100%LEL	1,7
Styrene Monomer	C6H5	9A	0-100%LEL	1,1
Tetrahydrofuran	C4H8O	9B	0-100%LEL	1,5
Toluene	C6H5CH3	47	0-100%LEL	1,1
Trans-Butene-2	C4H8	29	0-100%LEL	1,8
Triethylamine	(CH3CH2)3N	9C	0-100%LEL	1,2
Trimethylamine	C3H9N	102	0-100%LEL	2
Trimethylbutane	C7H16O2	9D	0-100%LEL	1,2
Vinyl Chloride	CH2=CHCl	26	0-100%LEL	3,6

Gas Code Order

Gas Name	Form.	Gas Code	Standard Range	LEL %v/v
General Explosive	HC	00	0-100%LEL	
Methane	CH4	01	0-100%LEL	4,4
L.P.G.	mix.	02	0-100%LEL	
Pentane - mixed isomers	C5H12	03	0-100%LEL	1,4
Propane	CH3CH2CH3	04	0-100%LEL	1,7
Butane	C4H10	05	0-100%LEL	1,5
Acetonitrile	C2H3N	06	0-100%LEL	3
Benzene	C6H6	07	0-100%LEL	1,2
Methyl Alcohol	CH3OH	08	0-100%LEL	5,5
N-Butyl Alcohol	C3H7CH2CH2OH	09	0-100%LEL	1,4
Gasoline vapors	mix.	10	0-100%LEL	
Acetaldehyde	CH3CHO	11	0-100%LEL	4
Acetic Acid	CH3COOH	12	0-100%LEL	4
Acetone	(CH3)2CO	13	0-100%LEL	2,15
Acetic Anhydride	(CH3CO)2O	14	0-100%LEL	2
Acetylene	C2H2	15	0-100%LEL	1,5
Butyl Acetate	C6H12O6	16	0-100%LEL	1,3
Carbonyl sulphide	COS	17	0-100%LEL	6,5
Aniline	C6H5NH2	18	0-100%LEL	1,2
Carbon Monoxide	CO	19	0-100%LEL	10,9
Diiso-Propyl Ether	C6H14O	21	0-100%LEL	1
Methyl Ethyl Ketone	C2H5COCH3	22	0-100%LEL	1,8
1,3-Butadiene	C4H6	23	0-100%LEL	1,4
Iso-Butane	C4H10	24	0-100%LEL	1,3
Dimethylbutane	(CH3)3CCH2CH3	25	0-100%LEL	1,1
Vinyl Chloride	CH2=CHCl	26	0-100%LEL	3,6
Hydrogen	H2	27	0-100%LEL	4
Cis-but2ene	C4H8	28	0-100%LEL	1,6
Trans-Butene-2	C4H8	29	0-100%LEL	1,8
Cyclohexane	CH2 (CH2)4 CH2	30	0-100%LEL	1,2
Cyclopropane	CH2 CH2 CH2	31	0-100%LEL	2,4
Iso-Butyl Alcohol	C4H10 O	32	0-100%LEL	2
Diethyl Ether	(C2 H5)2 O	33	0-100%LEL	1,7
Dimethylamine	(CH3)2 HN	34	0-100%LEL	2,8
Tert-Butyl Alcohol	C4H10 O	35	0-100%LEL	2,4
Triethylamine	(CH3CH2)3N	36	0-100%LEL	1,2
Ethyl Benzene	C2H5C6H5	37	0-100%LEL	1
Ethylene	CH2=CH2	38	0-100%LEL	2,3
Ethylene Oxide	CH2=CH2 O	39	0-100%LEL	2,6
Ammonia	NH3	41	0-100%LEL	15
Heptane - mixed isomers	C7H16	42	0-100%LEL	1,1
Dimethylhydrazine	(CH3)2NNH2	43	0-100%LEL	2,4
Dimethylpentane	C7H16	44	0-100%LEL	1,2
Ethyl Acetate	C4H8O2	45	0-100%LEL	2,2
Ethyl Alcohol	C2H5OH	46	0-100%LEL	3,1
Toluene	C6H5CH3	47	0-100%LEL	1,1
Ethyl Bromide	C2H5Br	48	0-100%LEL	6,7
Ethyl Chloride	C2H5Cl	49	0-100%LEL	3,6
Ethylene Dichloride	C2H4Cl2	50	0-100%LEL	7,3
N-Butyric Acid	C4H8O2	51	0-100%LEL	2
Carbon Disulphide	CS2	52	0-100%LEL	0,6
Ethyl Methyl Ether	C3H8O	53	0-100%LEL	2
Cyanogen	(CN)2	54	0-100%LEL	6
Decane	C10H22	55	0-100%LEL	0,7
Hexane - mixed isomers	C6H14	56	0-100%LEL	1
Isobutylene	C4H8	57	0-100%LEL	1,8
Dimethylsulphide	(CH3)4C	58	0-100%LEL	0,7
1,4-Dioxane	C4H8O2	59	0-100%LEL	1,9
Ethylamine	C2H7N	60	0-100%LEL	2,68
Hydrazine	H4N2	62	0-100%LEL	4,7
Hydrogen cyanide	HCN	66	0-100%LEL	5,4
Methyl Acetate	C3H6O2	67	0-100%LEL	3,2
Dimethyl Ether	C2H6O	68	0-100%LEL	2,2
Hydrogen Sulphide	H2S	69	0-100%LEL	4
Iso-Pentane	C5H12	72	0-100%LEL	1,4
Methyl Formate	C2H4O2	73	0-100%LEL	5
Methyl Mercaptan	CH3SH	74	0-100%LEL	3,9
Methyl Propyl Ketone	C5H10O	90	0-100%LEL	1,6
Methylamine	CH5N	9M	0-100%LEL	4,2
Methylcyclohexane	C7H14	9N	0-100%LEL	1,15
Methylene Chloride	CH2Cl2	85	0-100%LEL	15,5
Methylhydrazine	CH6N2	88	0-100%LEL	2,5
Methylpentane	C6H14	89	0-100%LEL	1,1
Methylpropionate	C4H8O2	75	0-100%LEL	2,5
M-Xylene	C2H9	91	0-100%LEL	1,1
N-Butane	C4H10	93	0-100%LEL	1,4
N-Propyl Alcohol	C3H8O	94	0-100%LEL	2,2
N-Propyl Chloride	C3H7Cl	95	0-100%LEL	2,4
O-Xylene	C8H10	96	0-100%LEL	1
Propene	C3H6	97	0-100%LEL	2
Propylene Oxide	C3H6O	98	0-100%LEL	2,1
P-Xylene	C8H10	99	0-100%LEL	1,1
Styrene Monomer	C6H5	9A	0-100%LEL	1,1
Tetrahydrofuran	C4H8O	9B	0-100%LEL	1,5
Trimethylamine	C3H9N	9C	0-100%LEL	1,2
Trimethylbutane	C7H16O2	9D	0-100%LEL	2
1-Butene	C4H8	9E	0-100%LEL	1,6
1-Pentene	C5H10	9F	0-100%LEL	1,4
1,2-Propylene Oxide	C3H6O	9G	0-100%LEL	2,1
1,4-Hexadiene	C6H10	9H	0-100%LEL	2
Chlorobenzene	C6H5Cl	9I	0-100%LEL	1,3
Ethylcyclopentane	C7H14	9J	0-100%LEL	1,05
Ethyl Formate	C3H6O2	9K	0-100%LEL	2,7
Ethylmercaptan	C2H6S	9L	0-100%LEL	2,8
Methylamine	CH5N	9M	0-100%LEL	4,2
Methylcyclohexane	C7H14	9N	0-100%LEL	1,15
Methyl Bromide	CH3BR	9O	0-100%LEL	10
N-Propylamine	C3H9N	9P	0-100%LEL	2
Methyl Chloride	CH3Cl	9Q	0-100%LEL	7,6
Ethane	C2H6	9R	0-100%LEL	2,5
N-Octane	C8H18	9S	0-100%LEL	0,8
Isoprene	C5H8	9T	0-100%LEL	



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E-mail info@oggionisas.com
www.oggionisas.com



PRICE LIST SYSTEMS May/13

Rev. 1.1

Complete solution for Fire & Gas Detection

- 1.0 Modular Systems
- 2.0 Central Units
- 3.0 Single Board Gas Detection Systems
- 4.0 Addressable Gas Detection Systems
- 5.0 Accessories
- 6.0 Systems
- 7.0 Software

1.0 MODULAR SYSTEMS

Plug-in modules which fit a standard 3U
19 inches eurocard rack.



REL/isp
Cod.
Double channel controller interface modules **Price list Euro**

REL/isp   850,00

REL/isp-dy   1.105,22

8 slot bus-mount Kit **Price list Euro**

Cod.

Bus-8  169,78
Interface Card
(Inputs for n.8 REL/isp modules)

12 Digital relay **Price list Euro**

Cod.

SC-12  264,35
12 Output Relays Card
ISP fully programmable Logic

SC-8  223,85
8 Output Relays Expansion Board

**2.0 CENTRAL UNITS
WALL MOUNTING CABINET AR-40**

**Price
list
Euro**

Cod.

AR40 systems are particularly suitable for small areas or on large sites where it is preferable to have a number of small self-contained monitoring systems connected by a field bus to a remote Host unit.

Included Power Supply for 2,7A/h battery (excluded)

AR-40 1.291,28



WALL MOUNTING CABINET AR Series

**Price
list
Euro**

Cod.

AR600	(Max. 8 REL/isp: 16 gas detectors, 12 relays output)	3.412,64
AR1200	(Max. 16 REL/isp: 32 gas detectors, 24 relays output)	5.133,96
AR1500	(Max. 24 REL/isp: 48 gas detectors, 36 relays output)	6.650,76

Ideal for medium size gas detection systems or multiple racks systems.

AR Series are standard case for REL/isp modules including:

- Bus-8 control boards for REL/isp module connection;
- SC-12 output relays boards for external device activation;
- Power Supply for battery.

Supplied fully wired and programmed.

(Interface double channel REL/isp modules not included)



CABINET 40 U. AR-2000/32

**Price
list
Euro**

Cod.

AR2000/32 9.411,67

Stand alone cabinet for 32 REL/isp modules.
(Total of 64 gas detectors)

Ideal for large gas detection systems or multiple racks systems.

AR2000/32 is 42 HE units standard case (600X800X2000).

AR2000/32 is supplied supplied fully wired and programmed including:

- n.4 Bus-8 control boards for REL/isp module connection (64 inputs 4-20mA);
- n.4 SC-12 output relays boards for external device activation (48 output relays);
- Power Supply for battery.

(Interface double channel REL/isp modules not included)

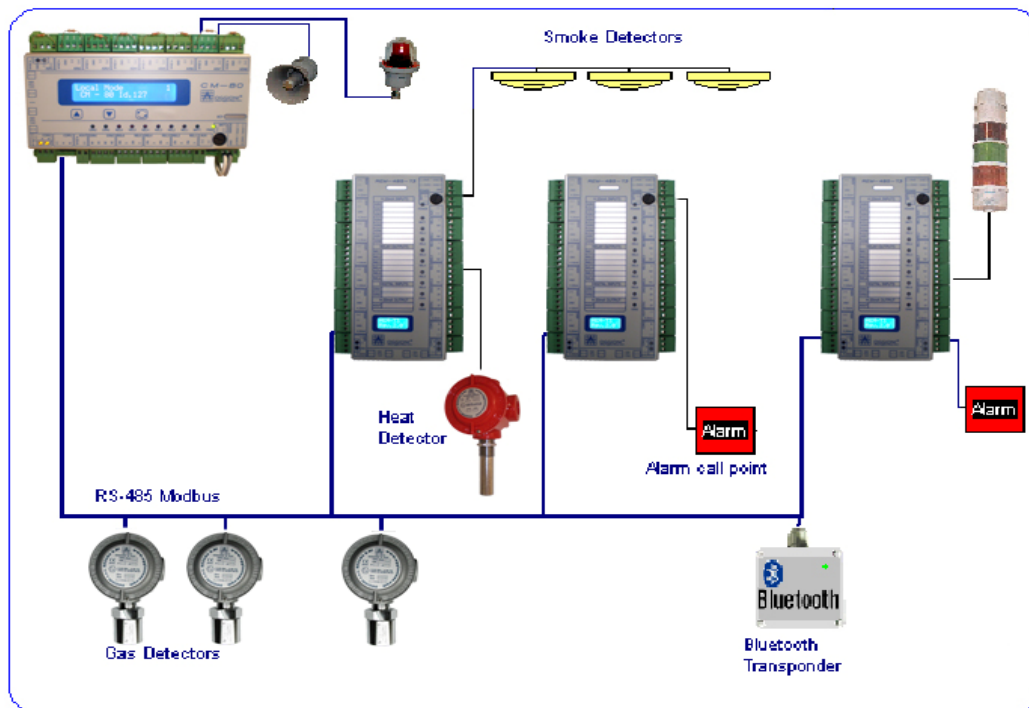


3.0 Sigle Board Gas Detection Systems

Cod.		Price list Euro
CM-10	(Openframe DIN Rail mounting)	260,00
<p>The CM-10 unit is a single loops 4-20mA inputs With three programmable set-points 3 x programmable outputs relé and Analog output 0-5V or 4.20 mA</p>		
		
ML70.100	(Openframe DIN Rail mounting)	227,50
<p>Power Supply. Input: AC 115/230V switchable Output: DC 24-28V adj. up to 3A @ 24V /2.6A @ 28V</p>		
		
CM-20	(Wall mounting box)	819,79
<p>The CM-20 unit is a two programmable loops 4-20mA inputs 2 x alarms set-points for each input channel Independent alarm relay for each zone Included Power Supply for external battery 2,7A/h (excluded).</p>		
		
CM-80	(Openframe)	1.061,45
<p>The CM-80 unit is a 8 programmable loops 4-20mA inputs and n.2 digital inputs, n.6 programmable output relays Supply Voltage: 16Vac/24Vdc</p>		
		
CM-80-B	(Included in metal box)	1.520,38
<p>The CM-80 unit is a 8 programmable loops 4-20mA inputs and n.2 digital inputs, n.6 programmable output relays Included in a metal Box complete with Power Supply</p>		
		
CM-80-R	(19" Rack mounting)	1.388,06
<p>The CM-80 unit is a 8 programmable loops 4-20mA inputs and n.2 digital inputs, n.6 programmable output relays Supply Voltage: 16Vac/24Vdc</p>		
		
CM-EP	(Openframe)	1.061,45
Controller for Environmental Parameters		
Temperature, pressure, humidity, etc...		
<p>The CM-80 programmable unit is a 8 loops 4-20mA inputs and 2 serial communication lines RS485 Mudbus RTU Protocol, n.2 digital inputs, n.6 programmable output relays</p>		
		
CM-EP-B	(Included in metal box)	1.520,38
Controller for Environmental Parameters		
Temperature, pressure, humidity, etc...		
<p>The CM-80 programmable unit is a 8 loops 4-20mA inputs and 2 serial communication lines RS485 Mudbus RTU Protocol, n.2 digital inputs, n.6 programmable output relays</p>		
		

4.0 Addressable Gas Detection Systems

Cod.		Price list Euro
CM80-ID (Openframe)	Addressable programmable unit is 1 RS485 Serial loop input 2 serial communication lines RS485 Mudbus RTU Protocol, n.2 digital inputs, n.6 programmable output relays	1.700,00
CM80-ID-B (Included in metal box)	Addressable programmable unit is 1 RS485 Serial loop input 2 serial communication lines RS485 Mudbus RTU Protocol, n.2 digital inputs, n.6 programmable output relays	2.050,00
REM-485-ID (Openframe)	Remote Concentrator for Addressable unit CM-80-ID n. 8 x 4-20mA inputs, n. 2 x opto isolated digital inputs n. 8 relay outputs	375,00
GDA-CB4-3084A	Price/m Belden cable for addressable systems 4 wires: 2 power + 2 data 22 and 24 AWG stranded tinned copper conductors, PVC insulation (power), FPE insulation (Data), individually foil shielded (100% coverage) and an overall tinned copper braid (65% coverage), sunlight/oil-resistant PVC jacket.	8,75



5.0 Accessories

Cod.		Price list Euro
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External Battery Charger for CM10-CM20 panel

PWS138V0A8
PWS138V1A5



282,50
375,00

External Battery Charger for CM40 panel

ALSCA138V30

(13,8 V 3A output for 7,2A/h battery)

402,50

Backup Batteries

BATT12-0A8
BATT12-1A2
BATT12-2A7



37,50
25,00
50,00

Type NB1 ribbon cable

CB-50
CB-20

(Bus-8 to SC-12 connection cable)

(REL/isp to Bus-8 connection cable)



35,00
22,50

19" 3HE Reck- Mount Kits and Filler panels for empty slots.

Cod.		Euro
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RACK 19"

(84U Rack 19")



175,00

PAN 4TE
PAN 20TE

(4U closing panel)

(20U closing panel)

12,50
20,00

Sealed Batteries

Cod.		Euro
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BATT12-7A2
BATT12-12A
BATT12-18A
BATT12-27A

Battery 12V 7,2 A/h

Battery 12V 12 A/h

Battery 12V 18 A/h

Battery 12V 27 A/h



37,50
135,00
170,00
270,00

Power Supply & Battery Charger

Cod.		Euro
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PWS138V0A8
PWS138V1A5
PWS138V3A0
PWS138V5A0
PWS138V7A0
PWS138V11A2sw

(AL138V30)

(AL138V50)

switching



87,50
125,00
162,50
262,50
300,00
412,50

TRAFO200VA

Voltage transformer 220 to 16V

200,00

PWS276V3A0

(AL276V30)

Power Suppl. 27,6Vdc 3A output

225,00

LAMPS, SOUNDERS & MANUAL CALL POINTS**Euro****Cod.**Beacon Lamps**LAMP-12/24-DU**

42,00

- KRO504RL Superled Indicator 12/24Vdc Red IP65
 KRO504VL Superled Indicator 12/24Vdc Green IP65
 KRO504GL Superled Indicator 12/24Vdc Yellow IP65
 KRO504BL Superled Indicator 12/24Vdc Blue IP65
 KRO504WL Superled Indicator 12/24Vdc White IP65

**LAMP-220-DU**

140,00

Sounders**SIR-12/24-DU**

112 dB @ 1m 32 tones Sounders EN 54-3

97,00

ASBAN1224R Mod. Siren 24Vdc IP65 32 tones Red

ASBAN1224RB Mod. Siren 24Vdc IP44 32 tones Red

ASBAN1224W Like ASBAN1224R but white colour EN54-3

Manual call Point**PEME-DU**

32,50

**ATEX LAMPS, SOUNDERS & MANUAL CALL POINTS****Euro****Cod.**Ex Lamps**LAMP-12/24-AD**

/G;/R;/Y

LAMP-220-AD

/G;/R;/Y

Data sheets EVA50 SR1

330,00

330,00

Ex Sounders**SIR-12/24-AD**

450,00

SIR-110-AD

Data sheets ETH 12MD41

450,00

SIR-220-AD

450,00

ATEX Alarm Signal Group**GDA-GRSEG24**

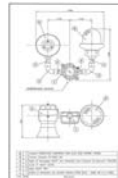
1.311,25

Atex Certified Acoustic and Optic Signalling Group:

1 x ETH 12MD41-4W Two-Tones Electronic Horn 24V

1 x EVA 50FR1 Xenon Flash Red 24V

Junction box, terminals, unions, all assembled and wired

**GDA-KSOA**

2.125,00

ATEX Certified Acoustic & Optic Signalling Group:

n.1 ETH 12MD41 electronic acoustic horn 12/24 Vac/dc

n.1 EVA 50FR1 Optic red flashing lamp 12/24 Vac/dc

n.1 CCF 1 junction box including internal support plate with connection terminals, 4 x connection holes 1/2" UNI 6125, 2 x connection holes 3/4" UNI 6125, 1 x signalling led 1/2" diameter for horn or lamp exclusion signal, 2 x switch keys 1x10A (EFO 711), 4 x cable holders on the bottom for cable entries, all mounted and assembled.

Ex Manual call Point**PEME-AD**

Data sheets EFD1 E0

287,50

Breaking Hammer**PEME-BH**

Data sheets EFE 94

18,93

Spare Glasses**PEME-SG**

Ø 71,5x2mm EFOE91

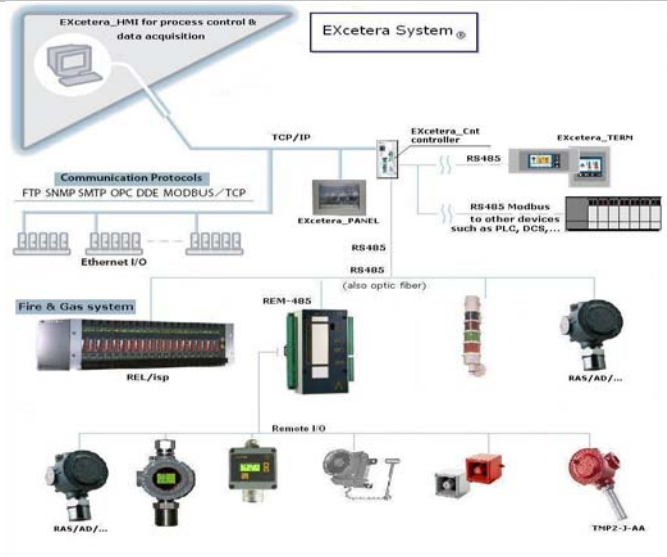
5,25

6.0 Systems

Price list Euro

EXcetera System

EXceteraSystem is an evolved system controller characterized by a stand-alone controller able to communicate with a remote devices provided with an advanced operator interface.



Multitasking Controller Cod.

Price list Euro

EXcetera

Multitasking controller
 32-bit ColdFire Processor
 16 MB RAM
 512 KB Battery backed RAM
 8 MB Flash EEPROM
 Two Ports: RS-485 Modbus protocol
 Two Optic fiber drivers 62.5/125um (3.5 dB/Km).
 Ethernet Port, FTP, PPP, Modbus protocols
 Built-in Power supply and Battery charger



EXcetera_cnt (Openframe)

8.295,83

EXcetera_Box

Included in a Metal Cabinet, with Touchscreen display for programming

10.657,83

RS-485 Modbus REMOTE I/O MDULES REM-485

Price list Euro

Cod.

RS 485 Modbus remote I/O modules with display for diagnostic messages, Internal 13.75 Vdc 2.5A stabilized power supply
 Controlled output for a 12V, 7.2 A/h back-up battery.
 n. 8 inputs 4-20mA from gas detectors; n.6 output relays

REM485-T3 (Openframe)

940,22

REM485-T3-B (Included in metal box with Power Supply)

1.417,36

REM485-T3/O (Openframe) with Fiber optics drivers

1.050,56

REM485-T3/O-B (Included in metal box with Power Supply) with Fiber optics

1.527,71



Touch Screen Operator Terminal	Price list
Cod.	Euro

EXcetera_LCD/85

VT185W High Performance Touch Screen Terminals High resolution graphic displays Display 320 x 240, 16 color TFT		975,00
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EXcetera_Panel

Display Station with Touch Screen Shallow profiles Flat panel display PCI / ISA or PC104 expansion slots 12.1 " Active Matrix TFT display		4.750,00
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PDA-611

i.roc 611 Ex 256 MB ATEX Zone 1-21. Windows Mobile™ WLAN, USB, Bluetooth and IrDA port.		4.200,00
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RS-485 Modbus Remote Lamps & Sounder	Price list
Cod.	Euro

TOA -RS

RS-485 Modbus addressable Audible and Visible Alarms repeater		350,00
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Optoisolated RS232 - RS485 Driver	Price list
Cod.	Euro









INT-232/485

		165,00
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DUAL RS232 - RS485 - FIBER OPTIC INTERFACE	Price list
Cod.	Euro

OPTOBOX

		426,53
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7.0	Software	Price list
Cod.		Euro
EXcetera_CFG	Start-up & Configuration package for EXceteraSystem 	2.125,00
EXcetera OPC	OPC 2.0 	950,00
EXcetera_HMI	Innovative general purpose Monitor Software. Objects oriented package for Windows 98SE/ME/XP Easy-to-use, PC based applications generator. Dynamic Data Exchange(DDE) with Windows Applications 	3.750,00
EXcetera_SUIT		6.250,00
eNoseBlu2	Special software for enose Gas Transmitters maintenance and configuration. Data Log capability, Trends, Calibration report, Stand-Alone calibration station. Complete of USB/RS485 converter cable 	925,00
CM_Configurator	Special software for CM-xx series control panels configuration for Windows 98/SE/ME/XP 	300,00
GDA-USB/485-Conv	Converter cable for gas detector RS485 to PC USB port To be used with EnoseBlu & CM_Configurator softwares 	162,50
GDA-HW-USBN-2A	ISP Download cable for programming Logic With USB Connection 	532,50
GDA-SC12-Simul	SC-12 Programming Simulation Device Complete with 50Poles Ribbon Cable 	125,00

TERMS AND CONDITIONS OF SALES

1) PREMISE

The following terms of sales are totally applied to every order draw up by the supplier, with the exception of special written dispensation, specified in every single order. In case of nonconformity the terms of sales prevail over any terms and conditions of the buyer or customer's conditions of purchase.

The acceptance of the order imply the complete acceptance of the terms and conditions of sales.

If conditions of payment are by instalments, supplier can stop order production till the instalment has been received.

Oggioni s.a.s. reserves the right to improve or modify any of the products without prior notice, provided that such improvement or modification shall not affect the form and function of the products.

2) PRICE

2.1 All prices quoted by Oggioni S.a.s. are exclusive of VAT and any other direct or indirect taxes.

2.2 Unless otherwise stated all prices include the cost of any packaging but exclude the cost of carriage handling freight and other delivery charges to the destination(s) specified by the Buyer.

2.3 If for any reason outside the Company's control the cost to the supplier or manufacturer of the product increases after the date of acceptance of the order, Oggioni S.a.s. may increase the price accordingly.

2.4 If Oggioni S.a.s. incurs any costs as a result of the Buyer's neglect or default (including but not limited to any inadequacy of the Buyer's instructions), the buyer shall pay those costs in addition to the contract price.

2.5 Prices for quantities are intended for orders of the total quantity and cannot be cumulative.

3) ORDERING

3.1 All terms and conditions referred to the buyer or contained in any form or document or other common communications submitted by the buyer at any time are hereby expressly excluded and these terms and conditions shall supersede and prevail over any inconsistent terms and conditions of the buyer.

3.2 Quotations issued by Oggioni S.a.s. will automatically lapse if not acted upon by the buyer within 30 days of the date of issue.

3.3 No employee or agent of Oggioni S.a.s. has any authority to make any representation or give any warranty relating to the products or to agree to any variation or addition hereto or to the contract.

3.4 The conditions together with any forms or documents incorporated in the contract constitute the entire agreement between the parties and supersede any prior statement representations or undertakings whether oral or written.

3.5 Oral orders and orders made by telex or facsimile must be confirmed in writing by the buyer. All orders should specify the reference number of products as listed in Oggioni S.a.s.' catalogue and where a quotation has been given, the quotation reference.

3.6 Any order placed by the buyer whether by signing and returning the Oggioni S.a.s.' quotation or otherwise shall constitute an offer to purchase the products upon the terms and conditions herein. The contract shall only be formed when the company has accepted the buyer's offer by submitting and acknowledgment of order form.

4) DELIVERY AND ACCEPTANCE OF RISK

4.1 Delivery will be made to such place as may be specified by the Buyer.

4.2 The time of delivery shall not be of the essence of this contract and shall be the date and time of dispatch of the products from Oggioni S.a.s.' premises when risk in the products shall pass to the buyer.

4.3 From such time as the risk passes to the buyer hereunder the buyer shall maintain such insurance of the products to their full replacement value as is normally maintained by companies or firms engaged in the business in which the buyer is engaged and any insurance money received by the buyer in respect of the products shall be held on trust for Oggioni S.a.s.

4.4 Any delivery date or period quoted by Oggioni S.a.s. is an estimate and Oggioni S.a.s. shall not be liable for any delay in delivery.

4.5 In the event of the buyer being unable to accept delivery of the products delivered, the buyer shall (in addition to any other liabilities it may have to Oggioni S.a.s.) be fully liable for all costs, charges and expenses incurred by the company (including but not limited to storage, handling and carriage charges).

4.6 Unless otherwise agreed Oggioni S.a.s. shall not be bound to deliver the products in one lot or consignment and the buyer shall therefore be bound to accept split deliveries or instalments.

4.7 Any claim to the buyer in relation to products damaged on delivery or in transit or in relation to any shortage of quantities must be made in writing to Oggioni S.a.s. and the carrier within 7 days of delivery.

5) PACKAGING

The packaging will be charged unless expressly specified.

6) PAYMENT

The payment has to be done, unless written indication, directly to Oggioni S.a.s.' domicile in the way and within the specified terms. If the buyer fails to make any payment on the due date then, without prejudice to any other right, Oggioni S.a.s. at its discretion shall be entitled to:

- Cancel the contract or suspend any further deliveries to the buyer;
- Charge the buyer interest on the amount unpaid, on a monthly basis at the rate of 1,5% above the base rate of Bank of Legnano from the due date until payment is full made.

7) RETURNS

The returns of goods shipped back to Oggioni s.a.s. shall not be accepted unless authorized in advance by Oggioni itself. The return of goods for any reason is at Buyer's charge.

8) TERMINATION

Oggioni s.a.s. reserves the right, among other remedies, either to terminate this contract or to suspend further deliveries under it in the event buyer fails to pay for anyone shipment when said shipment becomes due.

Should buyer's financial responsibility becomes unsatisfactory to Oggioni S.a.s., cash payment or security satisfactory to Oggioni S.a.s. may be required by Oggioni S.a.s. for future deliveries and for the goods therefore delivered.

Oggioni S.a.s. shall be entitled to terminate this contract forthwith by written notice if:

- The buyer becomes bankrupt or adopts a resolution of its winding up or if a petition is presented for the appointment of an administrator or receiver in respect of any part of the buyer's undertaking or assets or if the buyer is unable to pay its debts.
- The buyer is in breach of any of these terms and conditions.
- If any other contract between the parties hereto is terminated by either party for whatever reason.

9) **RETENTION OF TITLE**

Notwithstanding delivery and the passing of risk in the goods, or any other provision of these conditions, the property in the goods shall not pass to the buyer until Oggioni S.a.s. has received payment in full of the price of the goods and all other goods agreed to be sold by Oggioni S.a.s. to the buyer for which payment is due.

Oggioni S.a.s. shall have absolute authority to retake, sell or otherwise deal with or dispose of all or any part of the goods in which title remains vested in Oggioni S.a.s. Until such time as the property in the goods passes to the buyer, the buyer shall hold the goods as Oggioni S.a.s.' fiduciary agent, and shall keep the goods properly stored, protected and insured. Until that time the buyer shall be entitled to resell or use the goods in the ordinary course of its business, but shall account to Oggioni S.a.s. for the proceeds of sale or otherwise of the goods including insurance proceeds, and shall keep all such proceeds separate from any moneys or properties of the buyer and third parties.

Without prejudice to any other rights of Oggioni S.a.s. the buyer's licence to use and sell the products shall automatically terminate if the buyer becomes bankrupt or makes an arrangement or composition with its creditors or has a petition presented or a resolution passed for the appointment for an administrator or a receiver or an administrative receiver or becomes the object of insolvency proceedings.

If third parties take up steps dispose of the goods, the buyer shall immediately notify Oggioni S.a.s. in order to enable Oggioni S.a.s. to seek a court injunction in accordance with Italian law. If the buyer fails to do so in due time he will be held liable for any damages caused. Oggioni S.a.s. shall on demand of the buyer release any part of the collateral if the value of the collateral held in favour of Oggioni S.a.s.' exceeds the value of the claims being secured. It is Oggioni S.a.s.' decision to release any parts of the collateral.

10) **WARRANTY**

Oggioni S.a.s. warrants that all items delivered under this agreement will be free from defects in material and workmanship, conform to applicable specifications, and, to the extent that detailed designs have not been furnished by the buyer, will be free from design defects. Oggioni S.a.s. shall not be liable for the goods being fit for a particular purpose. The above warranty is given by Oggioni S.a.s. subject to the following conditions:

- Oggioni S.a.s. shall not be liable in respect of any defect in the goods arising from any design or specification supplied by the buyer;
- Oggioni S.a.s. shall not be liable under the above warranty if the total price for the goods has not been paid by the time period specified in charter 6 of the present conditions of sales;
- The above warranty does not extend to parts, materials or equipments manufactured by or on behalf of the buyer unless such warranty is given by the manufacturer to Oggioni S.a.s.;
- If so required by Oggioni S.a.s. the Products will be returned to Oggioni S.a.s. by the buyer at the buyer's risk and expense;

This warranty does not cover defects in or damage to the products which are due to improper installation or maintenance, misuse, neglect or any cause other than ordinary commercial application. Any claim by the buyer which is based on any defect in the quality or condition of the goods or their failure to correspond with specifications shall be notified to Oggioni S.a.s. within 24 months from the date of delivery, unless otherwise specified by Oggioni S.a.s. in writing.

Where any valid claim in respect of any goods which is based on any defect in the quality or conditions of the goods or their failure to meet specifications is notified to Oggioni S.a.s. in accordance with this conditions, Oggioni S.a.s. shall be entitled at Oggioni S.a.s.' sole discretion to either replace the goods free of charge or repair the goods. If Oggioni S.a.s. is neither ready nor able to either repair or replace the goods the buyer shall be entitled at the buyer's sole discretion to claim for a reduction of price or the cancellation of the contract.

11) **LIMITATION OF LIABILITY**

- 11.1 Subject to chapter 10 the warranty referred to enclose 11 hereof is in substitution for and shall replace all conditions and warranties on the part of Oggioni S.a.s. implied by statute or common law or otherwise all of which are expressly excluded (insofar as they may be excluded by law) and Oggioni S.a.s. shall not be liable whether in contract, tort or otherwise in respect of defects or in damage to the products or for any injury loss or damage of whatever kind attributable to such defects or damage.
- 11.2 Without prejudice to the generality of chapter 10 it is the buyer's responsibility to satisfy itself that the products are suitable for its requirements and Oggioni S.a.s. does not profess to have any skill or judgement in relation to the particular needs of the buyer. The buyer shall be deemed to have full knowledge of the nature and properties of and shall carry out its own testing of the accuracy and performance of the products.
- 11.3 In the event that notwithstanding the provisions of chapter 10 Oggioni S.a.s. is found liable for any loss or damage suffered by the buyer that liability shall be limited to the price of the products hereunder and in no event shall Oggioni S.a.s. be liable for any loss of profit or any other commercial loss including but not limited to special incidental consequential or other loss or damage.
- 11.4 Although Oggioni S.a.s. will use its best endeavours to ensure that any figure published by Oggioni S.a.s. relating to the performance of the product are accurate, Oggioni S.a.s. does not warrant the accuracy of any published performance figure.
- 11.5 When ordering goods to Oggioni S.a.s. the buyer undertake burden to be in knowledge of all legal limitations and applications and security norms about use of supplied goods. It is therefore excluded any responsibility of Oggioni S.a.s. about use, wrong use, impossibility of use of supplied devices; compensation requests for direct or indirect damages caused by use, wrong use, impossibility of use of supplied devices for whatever reason will thereby not be possible.

12) **FORCE MAJEURE:**

Deliveries may be suspended by either party in the event of war, riot, fire, explosion, accident, flood, sabotage; lack of adequate fuel, power, raw materials, labour, containers or transportation facilities, compliance with government requests, laws, regulation, orders or action; breakage or failure of machinery or apparatus; national defence requirements or any other event, whether or not the class or kind enumerated herein, beyond the reasonable control of such party; or in the event of labour trouble strike, lockout or injunction (provided that neither party shall be required to settle a labour dispute against its own best judgement); which event makes impracticable the manufacture, transportation, acceptance or use of a shipment of goods or of a material upon which the manufacture of the goods is independent.

Deliveries suspended or not made by reason of this section shall be cancelled without liability, but this contract shall otherwise remain unaffected.

13) **GOVERNING LAW:**

In event of controversy between the buyer and Oggioni S.a.s., the legal forum shall be the city of Milano, Italy.