



SICUREZZA COMPAGNIE RIUNITE

**Products lists
2018 Rev. 29/03**

**Detection of toxic, explosive,
asphyxiating and oxygen gases**

Sicor Products and Representations

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The Company reserves the right to modify or replace this price list at any time and without notice.

The data and characteristics of the products shown here must be understood as an indication.

The Sicor S.p.A. reserves the right to make in its products all the modifications it deems appropriate for technical logics and regulatory requirements.

1. INTRODUCTION

Dear Customer,

SICOR S.p.A., in addition to the wide range of items of its production illustrated below in this list, holds the representation of some of the world's most prestigious companies in the industry, which we guarantee technical assistance and calibration and maintenance service. Below is a brief description of our company and our business partners.



SICUREZZA COMPAGNIE RIUNITE

Italian company producing individual protection devices and gas detection systems. In more than thirty years of activity, Sidor S.p.A. boasts more than 15,000 systems installed throughout Italy and worldwide. Reliability, versatility and ease of use are the strong points of Sidor-Sureco products. The company also offers a fast assistance service, instrumentation calibration and repair to meet the needs of each type of customer. For more information, visit the website <http://www.sicor-sureco.it/>



Canadian company producing portable detectors for the main toxic, explosive and oxygen gases. The range of portable instruments is divided into monogas and multigas and in both needs a complete selection of accessories is available. The extreme ergonomics, the small size, the high autonomy combined with a low price, put BW at the top of the category in the portable gas detection. For more information, visit the website <http://www.gasmonitors.com>



American company producing systems for the detection of toxic and explosive gases. In addition to the production of stationary instruments, transmitters and portable instruments, IST puts the world's largest range of solid state sensors on the market. This makes it possible to cover a very wide range of applications. For more information, visit the website <http://www.intlsensor.com>



American company producing instruments for the analysis of oxygen in the medical field. Simplicity and reliability combined with an attractive design highlight Maxtec in the medical field. For more information, visit the website <http://www.maxtec.com>

2. Quick guide to select the SICOR system components

The components for the SICOR gas detection are modular: depending on the application, it will be necessary to select a specific sensor, a transmitter, a control board and a cabinet. Furthermore you can select specific actuators and accessories to complete your system.

2.1. Parts selection

Depending on the gas to be detected, the appropriate sensor must be chosen. The transmitter in which to install the sensor can be chosen according to the type of sensor to be used and the environmental protection required, to the classification of the specific area. The transmitter must be coupled to a suitable control board, which can be installed using a CP1 Plus, CP4 Plus, CP12 or CP 24 cabinet or a specific cabinet built to customer specifications. With the CP1 Plus cabinet it will be possible to install up to a gas detection point. With this cabinet it will be possible to supply a specific solenoid valve, as well as to directly drive specific remote acoustic and optical alarms. Moreover, through the relay contacts of the board, it will be possible to activate extraction systems, send alarms to centralized systems, etc.

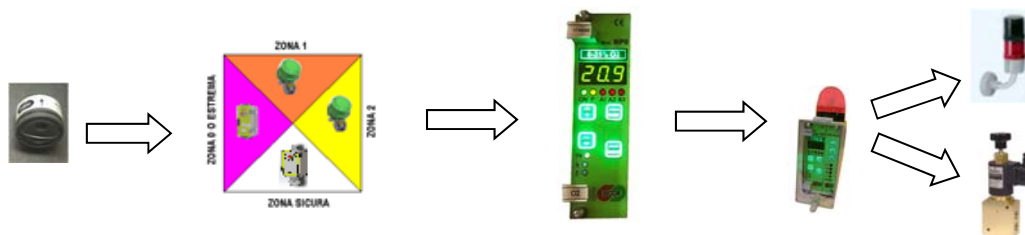


Fig. 1 Plant with single measuring point

Up to 5 gas detection points can be installed with the CP4 Plus cabinet. With this cabinet it will be possible to supply a specific solenoid valve for each installed board, as well as to directly drive specific remote acoustic and optical alarms. Moreover, through the relay contacts of each single board, it will be possible to activate extraction systems, send alarms to centralized systems, etc. etc.



Fig. 2 Plant with 5 measuring points

Up to 23 gas detection points can be installed with the CP24 Plus cabinet. With this cabinet it will be possible to supply a specific solenoid valve for each installed board, as well as to directly drive specific remote acoustic and optical alarms. Moreover, through the relay contacts of each single board, it will be possible to activate extraction systems, send alarms to centralized systems, etc









Fig. 3 Plant with 11-23 measuring points





If you have any doubts, contact the SICOR sales engineers who will be able to help you select the appropriate components to build your system.

3. Selection of sensitive elements


3.1. Catalytic sensitive elements for transmitters ST with sintered porous septum

Ordering Code	Image	Description
8553924300		SENSITIVE ELEMENT mod. SE-CAT ST VQ1 Generic application - expected life 4-5 years - low resistance to poisons. Descriptions into BT15
8553924330		SENSITIVE ELEMENT mod. SE-CAT ST VQ21T. Generic application - expected life 4-5 years - high resistance to poisons - excellent stability. Descriptions into BT15
8553924335		SENSITIVE ELEMENT mod. SE-CAT ST 300P-Z generic application - expected life 3-4 years – high resistance to poisons. Descriptions into BT15
8553924337		SENSITIVE ELEMENT mod. SE-CAT ST NP30-Z generic application - expected life 3-4 years – high resistance to poisons. Descriptions into BT15
8553924365		SENSITIVE ELEMENT mod. SE-CAT ST VQ25 application GPL, C4H10, C6H14 not suitable for methane- expected life 4-5 years – high resistance to poisons e concentrazioni elevate. Descriptions into BT15
8553924367		SENSITIVE ELEMENT mod. SE-CAT ST VQ41TS application NH3, JET FUEL, C4H10 not suitable for methane- expected life 3-4 years – low resistance to poisons. Descriptions into BT15


3.2. Catalytic sensitive elements for transmitters ST with GORE membrane.

Ordering Code	Image	Description
8553924331		SENSITIVE ELEMENT mod. SE-CAT ST VQ545ZD - SC-0-100% LIE / 0-5%v/v CH4 & G.C. MAX range 10% CH4 resistenza ai siliceni. Element complete with sintered. Descriptions into BT15
8553924333		SENSITIVE ELEMENT mod. SE-CAT ST VQ548ZB - SC-0-100% LIE / 0-5%v/v CH4 & G.C. MAX range 10% CH4 resistenza a vibrazioni, siliceni ed H2S. Element complete with sintered. Descriptions into BT15
8553924334		SENSITIVE ELEMENT mod. SE-CAT ST 4P90C - SC-0-100% LIE / 0-5%v/v CH4 & G.C. MAX range 10% CH4 resistenza a vibrazioni, siliceni ed H2S. Element complete with sintered. Descriptions into BT15
8553924369		SENSITIVE ELEMENT mod. SE-CAT ST VQ547TS - SC-0-10% LIE / 0-1,5%v/v NH3 & G.C Specifico x ammoniacca e jet-fuel. Element complete with sintered. Descriptions into BT15


3.3. Sensitive elements of thermal conductivity for transmitters ST with sintered porous septum.

Ordering Code	Image	Description
8553924395		SENSITIVE ELEMENT mod. SE-CT ST VQ31M application analysis a i CH4, Ar, He, H2, CO2 expected life 4-5 years – low resistance to poisons – high stability. Descriptions into BT15





3.4. PID sensitive elements for transmitters ST with sintered porous septum.

Ordering Code	Image	Description
8553925002		SENSITIVE ELEMENTSE-PID-CL PID-A1, range 300 ppm, MAX RANGE 6000ppm, calibrazione 300ppm ISOBUTILENE expected life lampada 10,6 Ev circa 10000 ore. Descriptions into BT15





3.5. Solid state sensitive elements for transmitters ST with sintered porous septum.

Ordering Code	Image	Description
8553924406		SENSITIVE ELEMENTSE-SS-CL TGS832 SENSOR solid state not linear sensor , suitable for the main CFC, detection starting from 100ppm. Descriptions into BT15






3.6. Sensitive infrared elements for transmitters ST with sintered porous septum.

Ordering Code	Image	Description
8553923999		SENSITIVE ELEMENT mod. SE-IR 0-2% v/v CO2 expected life >5 years – excellent stability and repeatability. Descriptions into BT15
8553924002		SENSITIVE ELEMENT mod. SE-IR 0-100% v/v CO2 expected life >5 years – excellent stability and repeatability. Descriptions into BT15
8553924004		SENSITIVE ELEMENT mod. SE-IR 0-5% v/v CH4 expected life >5 years – excellent stability and repeatability. Descriptions into BT15
8553924008		SENSITIVE ELEMENT mod. SE-IR 0-2% v/v C3H8 (propane) expected life >5 years – excellent stability and repeatability. Descriptions into BT15




















3.7. Sensitive infrared elements for transmitters ST with GORE membrane.






Ordering Code	Image	Description
8553924080		SENSITIVE ELEMENT mod. SE-IR 0-2% v/v CO2 expected life >5 years – excellent stability and repeatability. Sensor with sintered . Descriptions into BT15
8553924082		SENSITIVE ELEMENT mod. SE-IR 0-100% v/v CO2 expected life >5 years – excellent stability and repeatability. Sensor with sintered . Descriptions into BT15
8553924084		SENSITIVE ELEMENT mod. SE-IR 0-5% v/v CH4 expected life >5 years – excellent stability and repeatability, Sensor with sintered . Descriptions into BT15
8553924088		SENSITIVE ELEMENT mod. SE-IR 0-2% v/v C3H8 (propano) expected life >5 years – excellent stability and repeatability. Sensor with sintered. Descriptions into BT15

3.8. Electrochemical oxygen sensitive elements for all transmitters AN with 4-20mA output.

Ordering Code	Image	Description
8553923202		SENSITIVE ELEMENT mod. SE-ELE-ST O-30% 02-2Y SENSOR O2 0-25% v/v O2 expected life 2 YEARS. Pressure compensated (capillary technology) and temperature with the transmitter for standard applications. Suitable for detecting O2 into N2, Ar etc.. Descriptions into BT15
8553923201		SENSITIVE ELEMENT mod. SE-ELE-ST O-30% 02-3Y SENSOR O2 0-25% v/v O2 expected life 3 YEARS. Pressure compensated (capillary technology) and temperature with the transmitter for standard applications. Suitable for detecting O2 into N2, Ar etc.. Descriptions into BT15
8553923207		SENSITIVE ELEMENT mod. SE-ELE-ST O-30% 02-3Y-LF SENSOR O2 0-25% v/v O2 expected life 3 YEARS Pressure compensated (capillary technology) and temperature with the transmitter for standard applications. Suitable for detecting O2 in N2, Ar etc.. Polarization with 3 terminals. Suitable for the detection of O2 in N2, Ar ecc. Descriptions into BT15
8553923205		SENSITIVE ELEMENT mod. SE-ELE-ST O-30% 02-3Y SENSOR O2 0-25% v/v O2 expected life 3 YEARS. Pressure of O2 compensated in temperature with the transmitter for standard applications. Suitable for the detection of O2 in He, CO2, etc. in environments with controlled pressures and temperatures (local RM). Descriptions into BT15
8553923209		SENSITIVE ELEMENT mod. SE-ELE-ST 0-1% 02-3Y SENSOR O2 0-1 % v/v 3 YEARS CELLA TYPE O2/M1 Partial pressure of O2 compensated in temperature. Suitable for percentage analysis and in ppm of O2. Descriptions into BT15

3.9. Electrochemical sensitive elements for toxic gases for all transmitters AN with 4-20mA output.







Ordering Code	Image	Description
8553923210		SENSITIVE ELEMENT mod. SE-ELE-ST 0-500 ppm CO-2Y SENSOR CO 0-500 ppm 2 YEARS H2 filtered Descriptions into BT15
8553923218		SENSITIVE ELEMENT mod. SE-ELE-ST 0-1000 ppm CO-5Y-SDE SENSOR CO 0-1000 ppm 5 YEARS Descriptions into BT15
8553923219		SENSITIVE ELEMENT mod. SE-ELE-ST 0-300 ppm CO-3Y-SE SENSOR CO 0-300 ppm 3 YEARS Descriptions into BT15
8553923220		SENSITIVE ELEMENT mod. SE-ELE-ST 0-100 ppm NH3-2Y SENSOR NH3 0-100 ppm 2 YEARS Descriptions into BT15
8553923223		SENSITIVE ELEMENT mod. SE-ELE-ST 0-500 ppm NH3-2Y SENSOR NH3 0-500 ppm 2 YEARS Descriptions into BT15
8553923221		SENSITIVE ELEMENT mod. SE-ELE-ST 0-1000 ppm NH3-2Y SENSOR NH3 0-1000 ppm 2 YEARS Descriptions into BT15
8553923222		SENSITIVE ELEMENT mod. SE-ELE-ST 0-5000 ppm NH3-2Y SENSOR NH3 0-5000 ppm 2 YEARS Descriptions into BT15
8553923241		SENSITIVE ELEMENT mod. SE-ELE-ST 0-500 ppm H2S-2Y SENSOR H2S 0-500 ppm 2 YEARS Descriptions into BT15
8553923242		SENSITIVE ELEMENT mod. SE-ELE-ST 0-100 ppm H2S-4Y-SE SENSOR H2S 0-100 ppm 4 YEARS Descriptions into BT15
8553923243		SENSITIVE ELEMENT mod. SE-ELE-ST 0-50 ppm H2S-4Y-SE SENSOR H2S 0-50 ppm 4 YEARS Descriptions into BT15
8553923250		SENSITIVE ELEMENT mod. SE-ELE-ST 0-20 ppm NO2-2Y SENSOR NO2 0-20 ppm 2 YEARS Descriptions into BT15
8553923261		SENSITIVE ELEMENT mod. SE-ELE-ST 0-100 ppm NO-2Y-SE SENSOR NO 0-100 ppm 2 YEARS Descriptions into BT15
8553923271		SENSITIVE ELEMENT mod. SE-ELE-ST 0-20 ppm SO2-2Y-SE SENSOR SO2 0-20 ppm 2 YEARS Descriptions into BT15
8553923281		SENSITIVE ELEMENT mod. SE-ELE-ST 0-10 ppm Cl2-2Y-SE SENSOR Cl2 0-10 ppm 2 YEARS. Installable only in transmitters with a gore membrane. Descriptions into BT15
8553923290		SENSITIVE ELEMENT mod. SE-ELE-ST 0-1 ppm ClO2-2Y-SE SENSOR ClO2 0-1 ppm 2 YEARS Descriptions into BT15
8553923300		SENSITIVE ELEMENT mod. SE-ELE-ST 0-20 ppm ETO-2Y SENSOR ETO 0-20 ppm 2 YEARS Descriptions into BT15
8553923304		SENSITIVE ELEMENT mod. SE-ELE-ST 0-100 ppm ETO-2Y SENSOR ETO 0-100 ppm 2 YEARS Descriptions into BT15
8553923307		SENSITIVE ELEMENT mod. SE-ELE-ST 0-1 ppm F2-18M-SE SENSOR F2 0-1 ppm 18 months. Descriptions into BT15
8553923310		SENSITIVE ELEMENT mod. SE-ELE-ST 0-0,5 ppm AsH3-18M-SE SENSOR AsH3 0-0,5 ppm 18 months. Descriptions into BT15

Ordering Code	Image	Description
8553923312		SENSITIVE ELEMENT mod. SE-ELE-ST 0-1 ppm AsH3-2Y-SE SENSOR AsH3 0-1 ppm 2 YEARS Descriptions into BT15
8553923315		SENSITIVE ELEMENT mod. SE-ELE-ST 0-1 ppm N2H4-1Y-SE SENSOR N2H4 0-1 ppm 1 year Descriptions into BT15
8553923321		SENSITIVE ELEMENT mod. SE-ELE-ST 0-5 ppm PH3-2Y-FAST SENSOR PH3 0-5 ppm 2 YEARS Descriptions into BT15
8553923322		SENSITIVE ELEMENT mod. SE-ELE-ST 0-5 ppm PH3-2Y-FAST SENSOR PH3 0-5 ppm 2 YEARS Descriptions into BT15
8553923326		SENSITIVE ELEMENT mod. SE-ELE-ST 0-1000 ppm H2-2Y SENSOR H2 0-1000 2 YEARS Descriptions into BT15
8553923327		SENSITIVE ELEMENT mod. SE-ELE-ST 0-1 % v/v H2-2Y-SE SENSOR H2 0-1 % v/v 2 YEARS Descriptions into BT15
8553923328		SENSITIVE ELEMENT mod. SE-ELE-ST 0-4% v/v H2-2Y-SE SENSOR H2 0-4% v/v 2 YEARS Descriptions into BT15
8553923330		SENSITIVE ELEMENT mod. SE-ELE-ST 0-30 ppm HCl-HBr-2Y-SE SENSOR HCl-HBr 0-30 ppm 2 YEARS. Installable only in transmitters with a gore membrane. Descriptions into BT15
8553923336		SENSITIVE ELEMENT mod. SE-ELE-ST 0-30 ppm HCN-18M-SE SENSOR HCN 0-30 ppm 18 MESI Descriptions into BT15
8553923340		SENSITIVE ELEMENT mod. SE-ELE-ST 0-10 ppm HF-18M-SE SENSOR HF 0-10 ppm 18 months Descriptions into BT15
8554923345		SENSITIVE ELEMENT mod. SE-ELE-ST 0-1 ppm O3-18M-SE SENSOR O3 0-1 ppm 18 months Descriptions into BT15
8553923350		SENSITIVE ELEMENT mod. SE-ELE-ST 0-1 ppm COCl2-1Y-SE SENSOR COCl2 0-1 ppm 1 year Descriptions into BT15
8553923355		SENSITIVE ELEMENT mod. SE-ELE-ST 0-50 ppm SiH4-18M-SE SENSOR SiH4 0-50 ppm 18 months Descriptions into BT15
8553923360		SENSITIVE ELEMENT mod. SE-ELE-ST 0-50 mg/m3 C4H8S-18M-SE SENSOR C4H8S 0-50 mg/m3 18 months Descriptions into BT15
8553923362		SENSITIVE ELEMENT mod. SE-ELE-ST 0-14 ppm MERCAPTANO SENS MERCAPTANO 0-14 ppm 1 year Descriptions into BT15
8553923315		SENSITIVE ELEMENT mod. SE-ELE-ST 0-1 ppm N2H4-1Y-SE SENSOR N2H4 0-1 ppm 1 year CELLA N2H4 2E1 Descriptions into BT15
8553923366		SENSITIVE ELEMENT SE-ELE-ST 0-100 ppm H2O2 Expected life 2 Years. Descriptions into BT15
8553923368		SENSITIVE ELEMENT SE-ELE-ST 0-500 ppm H2O2 Expected life 2 Years. Descriptions into BT15
8553923370		SENSITIVE ELEMENT SE-ELE-ST 0-200 ppm Isopropylic Alcool. Expected life 2 Years. Descriptions into BT15







4. TRANSMITTERS

4.1. TRANSMITTERS TX23W-ST

4.1.1. Tx23W-ST mV output transmitters with sintered Ex d for Zone 1 Ta from -20 to + 50° C







Ordering Code	Image	Description
8579023452		TX23W-ST-NPT-O-GS . 3 wires transmitter with mV output Connection 1" NPT. Protection  II 2 G Ex d IIC T6 Gb/ II 2 D Ex tb IIIC T85°C Db IP66 BVI 12 ATEX 0024 X. The sensors must be driven with a suitable external excitation voltage max 3,3V. Ring with sintered porous septum for diffusion measurement. Description into BT11. Manual TX23 Version Ex d
8579023456		TX23W-ST-NPT-I-GS 3 wires transmitter with mV output Connection 3/4" NPT. Casing , Nipple and ferrule inox steel.. Protection  II 2 G Ex d IIC T6 Gb/ II 2 D Ex tb IIIC T85°C Db IP66 BVI 12 ATEX 0024 X. The sensors must be driven with a suitable external excitation voltage max 3,3V. Ring with sintered porous septum for diffusion measurement. Description into BT11. Manual TX23 Version Ex d
8579023472		TX23W-ST-NPT-O-FS. 3 wires transmitter with mV output Connection 1" NPT. Protection  II 2 G Ex d IIC T6 Gb/ II 2 D Ex tb IIIC T85°C Db IP66 BVI 12 ATEX 0024 X. The sensors must be driven with a suitable external excitation voltage max 3,3V. Fluid cell with spiral mixer with sintered porous septum for flow measurement. Description into BT11. Manual TX23 Version Ex d

4.1.2. Tx23W-ST mV output transmitters with Gore Ex nR nC membrane for Zone 2 Ta from -20 to + 50° C







Ordering Code	Image	Description
8579023462		TX23W-ST-NPT-O-GG Connection 1" NPT 3 wires transmitter with mV output. Protection  3 G Ex nR nC IIC T6 Gc/ II 3 D Ex tc IIIC T85°C Dc IP66. It can house some sensors of the ST family with catalytic technology, IR or electrochemical sensors. The sensors must be driven with a suitable external excitation voltage of max 3.3V. Gore membrane for diffusion measurement Description into BT11. Manual TX23 Version Ex nR nC
8579023466		TX23W-ST-NPT-I-GG Connection 3/4" NPT. Casing, Nipple and ferrule Inox steel. 3 wires transmitter with mV output. Protection  II 3 G Ex nR nC IIC T6 Gc/ II 3 D Ex tc IIIC T85°C Dc IP66. The sensors must be driven with a suitable external excitation voltage max 3,3V. Ring nut with Gore membrane for diffusion measurement. Description into BT11. Manual TX23 Version Ex nR nC
8579023482		TX23W-ST-NPT-O-FG. Connection 1" NPT. 3 wires transmitter with mV output. Protection  II 3 G Ex nR nC IIC T6 Gc/ II 3 D Ex tc IIIC T85°C Dc IP66.. It can house some sensors of the ST family with catalytic technology, IR or electrochemical sensors. The sensors must be driven with a suitable external excitation voltage of max 3.3V. Flowing cell with spiral mixer gore membrane for flow measurement. Description into BT11. Manual TX23 Version Ex nR nC

4.2. TRANSMITTERS TX23W-AN

4.2.1. Tx23W-ST mA transmitters with sintered Ex d for Zone 1 Ta from -20 to + 50° C







Ordering Code	Image	Description
8579023485		TX23W-AN-NPT-O-GS Connection 1" NPT. 2-3 wires transmitter with 4-20mA output. Protection  II 2 G Ex d IIC T6 Gb/ II 2 D Ex tb IIIC T85°C Db IP66 BVI 12 ATEX 0024 X. It can house sensors of the ST family with catalytic technology, IR or electrochemical sensors. Ring with sintered porous septum for diffusion measurement. Description into BT11. Manual TX23 Version Ex d
8579023486		TX23W-AN-NPT-I-GS Connection 3/4" NPT. Casing , Nipple and ferrule in acciaio Inox. 2-3 wires transmitter with 4-20mA output. Protection  II 2 G Ex d IIC T6 Gb/ II 2 D Ex tb IIIC T85°C Db IP66 BVI 12 ATEX 0024 X. It can house sensors of the ST family with catalytic technology, IR or electrochemical sensors. Ring with sintered porous septum for diffusion measurement. Description into BT11. Manual TX23 Version Ex d
8579023491		TX23W-AN-NPT-O-FS. Connection 1" NPT. 2-3 wires transmitter with 4-20mA output. Protection  II 2 G Ex d IIC T6 Gb/ II 2 D Ex tb IIIC T85°C Db IP66 BVI 12 ATEX 0024 X. It can house sensors of the ST family with catalytic technology, IR or electrochemical sensors. Fluid cell with spiral mixer with sintered porous septum for flow measurement. Description into BT11. Manual TX23 Version Ex d

4.2.2. Tx23W-ST- 4-20mA transmitters with Gore Ex nR nC membrane for Zone 2 Ta from -20 to + 50° C







Ordering Code	Image	Description
8579023488		TX23W-AN-NPT-O-GG Connection 1" NPT. 2-3 wires transmitter with 4-20mA output. Protection  3 G Ex nR nC IIC T6 Gc/ II 3 D Ex tc IIIC T85°C Dc IP66. It can house some sensors of the ST family with catalytic technology, IR or electrochemical sensors. Gore membrane for diffusion measurement Description into BT11. Manual TX23 Version Ex nR nC
8579023489		TX23W-AN-NPT-I-GG Connection 3/4" NPT. Casing, Nipple and ferrule in acciaio Inox. 2-3 wires transmitter with 4-20mA output. Protection  II 3 G Ex nR nC IIC T6 Gc/ II 3 D Ex tc IIIC T85°C Dc IP66. It can house sensors of the ST family with catalytic technology, IR or electrochemical sensors. Gore membrane for diffusion measurement Description into BT11. Manual TX23 Version Ex nR nC
8579023494		TX23W-AN-NPT-O-FG. Connection 1" NPT. 2-3 wires transmitter with 4-20mA output. Protection  II 3 G Ex nR nC IIC T6 Gc/ II 3 D Ex tc IIIC T85°C Dc IP66. It can house some sensors of the ST family with catalytic technology, IR or electrochemical sensors. Flowing cell with spiral mixer gore membrane for flow measurement. Description into BT11. Manual TX23 Version Ex nR nC

4.3. TRANSMITTERS TX23W-AN-DY

4.3.1. Tx23-AN-DY Transmitters 4-20mA with sintered Ex d for Zone 1 Ta from -20 to + 50° C

Ordering Code	Image	Description
8579024062		TX23W-AN-NPT-O-GS-DY Connection 1" NPT. 2-3 wires transmitter with 4-20mA output. Protection  II 2 G Ex d IIC T6 Gb/ II 2 D Ex tb IIIC T85°C Db IP66. Atex pending. It can house sensors of the ST family with catalytic technology, IR or electrochemical sensors working with sintered porous septum for diffusion measurement. Complete with backlighted display. Description into BT11. Manual TX23 Version Ex d
8579024064		TX23W-AN-NPT-I-GS Connection 3/4" NPT. Casing, Nipple and ferrule in acciaio Inox. 2-3 wires transmitter with 4-20mA output. Protection  II 2 G Ex d IIC T6 Gb/ II 2 D Ex tb IIIC T85°C Db IP66 Atex pending. It can house sensors of the ST family with catalytic technology, IR or electrochemical sensors working with sintered porous septum for diffusion measurement. Description into BT11. Manual TX23 Version Ex d
8579024068		TX23W-AN-NPT-O-FS. Connection 1" NPT. 2-3 wires transmitter with 4-20mA output. Protection  II 2 G Ex d IIC T6 Gb/ II 2 D Ex tb IIIC T85°C Db IP66. Atex pending. It can house sensors of the ST family with catalytic technology, IR or electrochemical sensors. Fluid cell with spiral mixer with sintered porous septum for flow measurement. Complete with backlit display. Description into BT11. Manual TX23 Version Ex d

4.3.2. Tx23W-AN-DY Transmitters 4-20mA output with Gore Membrane Ex nR nC for Zone 2 Ta from -20 to + 50° C









Ordering Code	Image	Description
8579024072		TX23W-AN-NPT-O-GG Connection 1" NPT. 2-3 wires transmitter with 4-20mA output. Protection  3 G Ex nR nC IIC T6 Gc/ II 3 D Ex tc IIIC T85°C Dc IP66. It can house some sensors of the ST family with catalytic technology, IR or electrochemical sensors. Gore membrane for diffusion measurement Complete with backlighted display. Description into BT11. Manual TX23 Version Ex nR nC
8579024074		TX23W-AN-NPT-I-GG Connection 3/4" NPT. Casing, Nipple and ferrule in acciaio Inox. 2-3 wires transmitter with 4-20mA output. Protection  II 3 G Ex nR nC IIC T6 Gc/ II 3 D Ex tc IIIC T85°C Dc IP66. It can house sensors of the ST family with catalytic technology, IR or electrochemical sensors. Gore membrane for diffusion measurement. Complete with backlighted display. Description into BT11. Manual TX23 Version Ex nR nC
8579024078		TX23W-AN-NPT-O-FG. Connection 1" NPT. 2-3 wires transmitter with 4-20mA output. Protection  II 3 G Ex nR nC IIC T6 Gc/ II 3 D Ex tc IIIC T85°C Dc IP66. It can house some sensors of the ST family with catalytic technology, IR or electrochemical sensors. Flowing cell with spiral mixer gore membrane for flow measurement. Complete with backlighted display. Description into BT11. Manual TX23 Version Ex nR nC

4.4. TRANSMITTER TX23W-LC

4.4.1. Tx23W-LC-STx Transmitters with mV output for IP65 safe environment

Ordering Code	Image	Description
8579024000		TX23W-LC-ST-GS-W 3 wire transmitter with mV output. Cable gland for connection of cables from Ø 4 to Ø 10. It can house some sensors of the ST family with catalytic technology, IR or electrochemical sensors. Ferrule with sintered for diffusion measurement. White IP65 casing. Description into BT13. Manual TX23W-LC
8579024001		TX23W-LC-ST-GS-C 3 wire transmitter with mV output. Cable gland for connection of cables from Ø 4 to Ø 10. It can house some sensors of the ST family with catalytic technology, IR or electrochemical sensors. Ferrule with sintered for diffusion measurement. White IP65 chrome-plated. Description into BT13. Manual TX23W-LC
8579024002		TX23W-LC-ST-FS-W W 3 wire transmitter with mV output. Cable gland for connection of cables from Ø 4 to Ø 10. It can house some sensors of the ST family with catalytic technology, IR or electrochemical sensors. Fluid cell with spiral mixer for flow measurement with sintered. Casing IP65 White. Description into BT13. Manual TX23W-LC
8579024003		TX23W-LC-ST-FS-C 3 wire transmitter with mV output. Cable gland for connection of cables from Ø 4 to Ø 10. It can house some sensors of the ST family with catalytic technology, IR or electrochemical sensors. Cella fluente con miscelatore a chiocciola per misura in flusso con sinterizzato. Casing IP65 chrome-plated. Description into BT13. Manual TX23W-LC
8579024010		TX23W-LC-ST-GG-W 3 wire transmitter with mV output. Cable gland for connection of cables from Ø 4 to Ø 10. It can house some sensors of the ST family with catalytic technology, IR or electrochemical sensors. Gore membrane for diffusion measurement Casing IP65 White. Description into BT13. Manual TX23W-LC
8579024011		TX23W-LC-ST-GG-C 3 wire transmitter with mV output. Cable gland for connection of cables from Ø 4 to Ø 10. It can house some sensors of the ST family with catalytic technology, IR or electrochemical sensors. Gore membrane for diffusion measurement Casing IP65 chrome-plated. Description into BT13. Manual TX23W-LC
8579024012		TX23W-LC-ST-FG-W 3 wire transmitter with mV output. Cable gland for connection of cables from Ø 4 to Ø 10. It can house some sensors of the ST family with catalytic technology, IR or electrochemical sensors. Fluid cell with spiral mixer for flow measurement with gore membrane. IP65 casing White. Description into BT13. Manual TX23W-LC
8579024013		TX23W-LC-ST-FG-C 3 wire transmitter with mV output. Cable gland for connection of cables from Ø 4 to Ø 10. It can house some sensors of the ST family with catalytic technology, IR or electrochemical sensors. Fluid cell with spiral mixer for flow measurement with gore membrane. IP65 casing chrome-plated. Description into BT13. Manual TX23W-LC

4.4.2. Tx23W-LC-AN Transmitters with mA output for IP65 safe environment


Ordering Code	Image	Description
8579024020		TX23W-LC-AN-GS-W 2-3 wires transmitter with 4-20mA output. Cable gland for connection of cables from Ø 4 to Ø 10. It can house some sensors of the ST family with catalytic technology, IR or electrochemical sensors. Ferrule with sintered for diffusion measurement. White IP65 casing. Description into BT13. Manual TX23W-LC
8579024021		TX23W-LC-AN-GS-C 2-3 wires transmitter with 4-20mA output. Cable gland for connection of cables from Ø 4 to Ø 10. It can house some sensors of the ST family with catalytic technology, IR or electrochemical sensors. Ferrule with sintered for diffusion measurement. White IP65 chrome-plated. Description into BT13. Manual TX23W-LC
8579024022		TX23W-LC-AN-FS-W 2-3 wires transmitter with 4-20mA output. Cable gland for connection of cables from Ø 4 to Ø 10. It can house some sensors of the ST family with catalytic technology, IR or electrochemical sensors. Fluid cell with spiral mixer for flow measurement with sintered. Casing IP65 White. Description into BT13. Manual TX23W-LC
8579024023		TX23W-LC-AN-FS-C 2-3 wires transmitter with 4-20mA output. Cable gland for connection of cables from Ø 4 to Ø 10. It can house some sensors of the ST family with catalytic technology, IR or electrochemical sensors. Fluid cell with spiral mixer for flow measurement with sintered. Casing IP65 chrome-plated. Description into BT13. Manual TX23W-LC
8579024030		TX23W-LC-AN-GG-W 2-3 wires transmitter with 4-20mA output. Cable gland for connection of cables from Ø 4 to Ø 10. It can house some sensors of the ST family with catalytic technology, IR or electrochemical sensors. Gore membrane for diffusion measurement Casing IP65 White. Description into BT13. Manual TX23W-LC
8579024031		TX23W-LC-AN-GG-C 2-3 wires transmitter with 4-20mA output. Cable gland for connection of cables from Ø 4 to Ø 10. It can house some sensors of the ST family with catalytic technology, IR or electrochemical sensors. Gore membrane for diffusion measurement Casing IP65 chrome-plated. Description into BT13. Manual TX23W-LC
8579024032		TX23W-LC-AN-FG-W 2-3 wires transmitter with 4-20mA output. Cable gland for connection of cables from Ø 4 to Ø 10. It can house some sensors of the ST family with catalytic technology, IR or electrochemical sensors. Fluid cell with spiral mixer for flow measurement with gore membrane. IP65 casing White. Description into BT13. Manual TX23W-LC
8579024033		TX23W-LC-AN-FG-C 2-3 wires transmitter with 4-20mA output. Cable gland for connection of cables from Ø 4 to Ø 10. It can house some sensors of the ST family with catalytic technology, IR or electrochemical sensors. Fluid cell with spiral mixer for flow measurement with gore membrane. IP65 casing chrome-plated. Description into BT13. Manual TX23W-LC

4.4.3. Tx23W-LC-AN-DY Transmitters with mA output for IP65 safe environment with display


Ordering Code	Image	Description
8579024040		TX23W-LC-AN-DY-GS-W 3 wires transmitter with 4-20mA output. Cable gland for connection of cables from Ø 4 to Ø 10. It can house some sensors of the ST family with catalytic technology, IR or electrochemical sensors. Backlit 3 digit display. Ferrule with sintered for diffusion measurement. White IP65 casing. Description into BT13. Manual TX23W-LC
8579024041		TX23W-LC-AN-DY-GS-C 3 wires transmitter with 4-20mA output. Cable gland for connection of cables from Ø 4 to Ø 10. It can house some sensors of the ST family with catalytic technology, IR or electrochemical sensors. Backlit 3 digit display. Ferrule with sintered for diffusion measurement. White IP65 chrome-plated. Description into BT13. Manual TX23W-LC
8579024042		TX23W-LC-AN-DY-FS-W 3 wires transmitter with 4-20mA output. Cable gland for connection of cables from Ø 4 to Ø 10. It can house some sensors of the ST family with catalytic technology, IR or electrochemical sensors. Backlit 3 digit display. Fluid cell with spiral mixer for flow measurement with sintered. Casing IP65 White. Description into BT13. Manual TX23W-LC
8579024043		TX23W-LC-AN-DY-FS-C 3 wires transmitter with 4-20mA output. Cable gland for connection of cables from Ø 4 to Ø 10. It can house some sensors of the ST family with catalytic technology, IR or electrochemical sensors. Backlit 3 digit display. Cella fluente con miscelatore a chiocciola per misura in flusso con sinterizzato. Casing IP65 chrome-plated. Description into BT13. Manual TX23W-LC
8579024050		TX23W-LC-AN-DY-GG-W 3 wires transmitter with 4-20mA output. Cable gland for connection of cables from Ø 4 to Ø 10. It can house some sensors of the ST family with catalytic technology, IR or electrochemical sensors. Backlit 3 digit display. Gore membrane for diffusion measurement Casing IP65 White. Description into BT13. Manual TX23W-LC
8579024051		TX23W-LC-AN-DY-GG-C 3 wires transmitter with 4-20mA output. Cable gland for connection of cables from Ø 4 to Ø 10. It can house some sensors of the ST family with catalytic technology, IR or electrochemical sensors. Backlit 3 digit display. Gore membrane for diffusion measurement Casing IP65 chrome-plated. Description into BT13. Manual TX23W-LC
8579024052		TX23W-LC-AN-DY-FG-W 3 wires transmitter with 4-20mA output. Cable gland for connection of cables from Ø 4 to Ø 10. It can house some sensors of the ST family with catalytic technology, IR or electrochemical sensors. Backlit 3 digit display. Fluid cell with spiral mixer for flow measurement with gore membrane. IP65 casing White. Description into BT13. Manual TX23W-LC
8579024053		TX23W-LC-AN-DY-FG-C 3 wires transmitter with 4-20mA output. Cable gland for connection of cables from Ø 4 to Ø 10. It can house some sensors of the ST family with catalytic technology, IR or electrochemical sensors. Backlit 3 digit display. Fluid cell with spiral mixer for flow measurement with gore membrane. IP65 casing chrome-plated. Description into BT13. Manual TX23W-LC

4.5.SAMPLE TRANSMITTER


4.5.1.SAMPLE-ST mV output with sintered for gas measurement into extreme zones

Ordering Code	Image	Description
8575340000		Transmitter SAMPLE-ST--S 24Vcc – Diaphragm pump with electronic flow control and alarms for insufficient flow and high temperature. Fluid cell with sintered to house ST sensors. Terminal block for connection with transmitterTX23W –ST mV output Casing IP22. To be completed choosing the right filter. Manual Sample Descriptions into BT 12. Manual SAMPLE


4.5.2.SAMPLE-STG mV output with GORE for gas measurement into extreme zones

Ordering Code	Image	Description
8575340007		Transmitter SAMPLE-STG 24Vcc – Diaphragm pump with electronic flow control and alarms for insufficient flow and high temperature. Fluid cell with Gore membrane to house ST sensors. Terminal block for connection with transmitterTX23W–ST mV output. Casing IP22. To be completed choosing the right filter. Manual Sample Descriptions into BT 12. Manual SAMPLE











4.5.3.SAMPLE-ST-AN mA output with sintered for gas measurement into extreme zones

Ordering Code	Image	Description
8575340010		Transmitter SAMPLE -AN 24Vcc – Diaphragm pump with electronic flow control and alarms for insufficient flow and high temperature. Fluid cell with sintered to house ST sensors. Electronics with TX23W Transmitter -AN with 4-20mA output. Casing IP22. To be completed choosing the right filter. Manual Sample Descriptions into BT 12. Manual SAMPLE

4.5.4.SAMPLE-ST-ANG mA output with GORE for gas measurement into extreme zones







Ordering Code	Image	Description
8575340014		Transmitter SAMPLE -ANG 24Vcc – Diaphragm pump with electronic flow control and alarms for insufficient flow and high temperature. Fluid cell with Gore membrane to house ST sensors. Electronics with TX23W Transmitter -AN with 4-20mA output..Casing IP22. To be completed choosing the right filter. Manual Sample Descriptions into BT 12. Manual SAMPLE

5. Control boards ed accessories




Ordering Code	Image	Description
8571193000		MP0/LIE Legacy. Card of control for catalytic sensors. Coupling with transmitters TX23-St and SAMPLE-ST and with sensors requiring constant voltage Power supply. Power Supply 24VDC Card and 18vac 3 alarm levels + 1 fault alarm, LED 3 digit display. Four relay outputs and four independent open collector outputs. Calculation of TWA and STEL alarms for toxic gases. Analogue output 4-20ma or 0-10v. Communication RS485 9600 or 19200 bps with parity and Modbus RTU protocol. Descriptions into BT 39. Manual MP0
8571193005		MP0/IR Legacy. Card of control For infra-red and catalytic sensors. Coupling with transmitters TX23-St and SAMPLE-ST and with sensors requiring constant voltage Power supply. Power Supply 24VDC Card and 18vac 3 alarm levels + 1 fault alarm, LED 3 digit display. Four relay outputs and four independent open collector outputs. Calculation of TWA and STEL alarms for toxic gases. Analogue output 4-20ma or 0-10v. Communication RS485 9600 or 19200 bps with parity and Modbus RTU protocol. Descriptions into BT 39. Manual MP0
8571193010		MP0/4-20ma Legacy. Card of control For transmitters 4-20ma. Coupling with TX23-an and SAMPLE-an transmitters. Power Supply 24VDC Card and 18vac 3 alarm levels + 1 fault alarm, LED 3 digit display. Four relay outputs and four independent open collector outputs. Calculation of TWA and STEL alarms for toxic gases. Analogue output 4-20ma or 0-10v. Communication RS485 9600 or 19200 bps with parity and Modbus RTU protocol. Descriptions into BT 39. Manual MP0
8571193100		MP0/LIE TP. Card of control for catalytic sensors. Front with backlit touch keypad. Coupling with transmitters TX23-St and SAMPLE-ST and with sensors requiring constant current power supply. Power Supply 24VDC Card and 18vac 3 alarm levels + 1 fault alarm, LED 3 digit display. Four relay outputs and four independent open collector outputs. Calculation of TWA and STEL alarms for toxic gases. Analogue output 4-20ma or 0-10v. Communication RS485 9600 or 19200 bps with parity and Modbus RTU protocol. Descriptions into BT 39. Manual MP0
8571193105		MP0/IR TP. Card of control For infra-red and catalytic sensors. Front with backlit touch keypad. Coupling with transmitters TX23-ST and SAMPLE-ST and with sensors requiring constant voltage Power supply. Power Supply 24VDC Card and 18vac 3 alarm levels + 1 fault alarm, LED 3 digit display. Four relay outputs and four independent open collector outputs. Calculation of TWA and STEL alarms for toxic gases. Analogue output 4-20ma or 0-10V. Communication RS485 9600 or 19200 bps with parity and Modbus RTU protocol. Descriptions into BT 39. Manual MP0
8571193110		MP0/4-20ma TP. Card of control For transmitters 4-20ma. Front with backlit touch keypad. Coupling with TX23-an and SAMPLE-an transmitters. Power Supply 24VDC Card and 18vac 3 alarm levels + 1 fault alarm, LED 3 digit display. Four relay outputs and four independent open collector outputs Calculation of TWA and STEL alarms for toxic gases. Analogue output 4-20ma or 0-10v. Communication RS485 9600 or 19200 bps with parity and Modbus RTU protocol. Descriptions into BT 39. Manual MP0
8580100000		Alarm Repetition Card-SAM100. Pilot siren and flashing light with ISA1 sequence. Generates different acoustic tones for each input alarm. Three flashing lights and three buzzer applicable in output or three flashing lights and one acoustic siren 100db. Descriptions into BT 17. Manual SAM100
8550000000		Relay Card-SR100. Adds 4 relays to MP0 cards. Descriptions into BT 17
8554056712		Replacement electronic card for analogue transmitters (request indicating the SENSOR to which it is to be coupled)
8554056719		Pump block complete with electronics and led sample-STX and sample-Anx

6. Gas Detectors Installation Systems









6.1. Bus for gas monitors

Ordering Code	Image	Description
8570204000		BUS Interface Card1/12. Description into BT33. Manual Bus e Rack
8570205000		BUS Interface Card2/12. Description into BT33. Manual Bus e Rack
8570212100		BUS Interface Card3/12. Description into BT33. Manual Bus e Rack
8570203000		BUS Interface Card4/12. Description into BT33. Manual Bus e Rack
8570213100		BUS Interface Card6/12. Description into BT33. Manual Bus e Rack
8570214100		BUS Interface Card12/12. Description into BT33. Manual Bus e Rack

6.2. Rack








Ordering Code	Image	Description
8570303000		1/4 Rack 19" – for the per housing of max n°3 control boards. Description into BT33. Manual Bus e Rack
8570302000		1/2 Rack 19" for the per housing of max n°6 control boards. Description into BT33. Manual Bus e Rack
8570301000		Rack 19 for the per housing of max n°12 control boards. Description into BT33. Manual Bus e Rack

6.3. Cabinets 1 place control board CP1 PLUS






Ordering Code	Image	Description
8575303000		CP1 PLUS cabinet for single control board. Touch keyboard with backlight. Management of alarm inputs and programmable outputs. Power supply from 90 to 230Vac 30W - max load 20W su 24Vcc, Buzzer 75db; diagnostic of optical and acoustic alarms, easy wiring with separable terminal blocks. Descriptions into BT 32. Manual CP1 Plus
8575303100		CP1 PLUS/L cabinet for single control board. Touch keyboard with backlight. Management of alarm inputs and programmable outputs. Power supply from 90 to 230Vac 30W - max load 20W su 24Vcc, Buzzer 75db e lampeggiante rosso 5W; diagnostic of optical and acoustic alarms, easy wiring with separable terminal blocks. Descriptions into BT 32. Manual CP1 Plus
8575303105		CP1 PLUS/LM cabinet for single control board. Touch keyboard with backlight. Management of alarm inputs and programmable outputs. Power supply from 90 to 230Vac 30W - max load 20W su 24Vcc, Buzzer 75db e LED flashlight red, green,yellow 5W; diagnostic of optical and acoustic alarms, easy wiring with separable terminal blocks. Descriptions into BT 32. Manual CP1 Plus
8575303150		CP1 PLUS/24V cabinet for single control board. Touch keyboard with backlight. Management of alarm inputs and programmable outputs. Power supply 24V - max load 20W su 24Vcc, Buzzer 75db; diagnostic of optical and acoustic alarms, easy wiring with separable terminal blocks. Descriptions into BT 32. Manual CP1 Plus
8575303200		CP1 PLUS/24V/L cabinet for single control board. Touch keyboard with backlight. Management of alarm inputs and programmable outputs. Power supply 24Vcc, Buzzer 75db e lampeggiante rosso 5W; diagnostic of optical and acoustic alarms, easy wiring with separable terminal blocks. Descriptions into BT 32. Manual CP1 Plus
8575303205		CP1 PLUS/24V/LM cabinet for single control board. Touch keyboard with backlight. Management of alarm inputs and programmable outputs. Power supply 24Vcc, Buzzer 75db e LED flashlight red, green,yellow 5W; diagnostic of optical and acoustic alarms, easy wiring with separable terminal blocks. Descriptions into BT 32. Manual CP1 Plus
8575303300		CP1 PLUS/FQ cabinet for single control board. Touch keyboard with backlight. Management of alarm inputs and programmable outputs. Montaggio a fronte quadro con staffe incluse,Power supply from 90 to 230Vac 30W - max load 20W su 24Vcc, Buzzer 75db; diagnostic of optical and acoustic alarms, easy wiring with separable terminal blocks. Descriptions into BT 32. Manual CP1 Plus
8575303350		CP1 PLUS/FQ/24V cabinet for single control board. Touch keyboard with backlight. Management of alarm inputs and programmable outputs. Montaggio a fronte quadro con staffe incluse, Power supply 24Vcc, Buzzer 75db; diagnostic of optical and acoustic alarms, easy wiring with separable terminal blocks. Descriptions into BT 32. Manual CP1 Plus

6.4. Cabinets 5 places control boards CP4 PLUS card









6.4.1. Cabinets 5 places control boards CP4 PLUS

Ordering Code	Image	Description
8575310150		CP4 PLUS cabinet max 5 control boards. Selectable power supply or 110 or 230Vac 150W - max load applicable 100Wsu 24Vcc, Buzzer 75db; diagnostic of optical and acoustic alarms with SAM 100 card. Descriptions into BT 31. Manual CP4 Plus
8575310154		CP4 PLUS cabinet/24V max 5 control boards. Power supply 24Vcc - max load applicable 100Wsu 24Vcc, Buzzer 75db; diagnostic of optical and acoustic alarms with SAM 100 card. Descriptions into BT 31. Manual CP4 Plus
8575310151		CP4 PLUS cabinet//L max 5 control boards Selectable power supply either 110 or 230Vac 150W - max load applicable 100W on 24Vcc, Buzzer 75db; diagnostic of optical and acoustic alarms with SAM 100 card. With flashing red light 5W . Descriptions into BT 31. Manual CP4 Plus
8575310152		CP4 PLUS cabinet//L/24V max 5 control boards. Power supply 24Vcc - max load applicable 100Wsu 24Vcc, Buzzer 75db; diagnostic of optical and acoustic alarms with SAM 100 card. Descriptions into BT 31. Manual CP4 Plus
8575310160		CP4 PLUS cabinet / S max 5 control boards Selectable power supply either 110 or 230Vac 150W - max load applicable 100W on 24Vcc, diagnostic of optical and acoustic alarms with SAM 100 card Sirena 110 dB. Descriptions into BT 31. Manual CP4 Plus
8575310161		CP4 PLUS cabinet/SL max 5 control boards. Selectable power supply or 110 or 230Vac 150W - max load applicable 100Wsu 24Vcc, diagnostic of optical and acoustic alarms with SAM 100 card siren 110 dB and with flashing red light 5W. Descriptions into BT 31. Manual CP4 Plus
8575310180		CP4 PLUS cabinet/RM x max 5 control boards For use in local magnetic resonance imaging. Selectable power supply or 110 or 230Vac 150W - max load applicable 100Wsu 24Vcc, Buzzer 75db; diagnostic of optical and acoustic alarms with SAM 100 card, Auxiliary switch for ventilation systems. Descriptions into BT 31. Manual CP4 Plus



6.4.2. Cabinets 5 places control boards CP4 PLUS with UPS

Ordering Code	Image	Description
8575310250		CP4 PLUS cabinet max 5 control boards. Selectable power supply or 110 or 230Vac 150W - max load applicable 100Wsu 24Vcc, Buzzer 75db; diagnostic of optical and acoustic alarms with SAM 100 card. Power supply break less. Backup batteries 2 x 12V 1,2Ah. Power and battery status diagnostics. Descriptions into BT 31. Manual CP4 Plus
8575310251		CP4 PLUS cabinet//L max 5 control boards Selectable power supply either 110 or 230Vac 150W - max load applicable 100W on 24Vcc, Buzzer 75db; diagnostic of optical and acoustic alarms with SAM 100 card. Power supply break less. Backup batteries 2 x 12V 1,2Ah. Power and battery status diagnostics. With flashlight 5W. Descriptions into BT 31. Manual CP4 Plus
8575310260		CP4 PLUS cabinet / S max 5 control boards Selectable power supply either 110 or 230Vac 150W - max load applicable 100W on 24Vcc, diagnostic of optical and acoustic alarms with SAM 100 card. Power supply break less. Backup batteries 2 x 12V 1,2Ah. Power and battery status diagnostics. Equipped with a siren 110 dB. Descriptions into BT 31. Manual CP4 Plus
8575310261		CP4 PLUS cabinet/SL max 5 control boards. Selectable power supply or 110 or 230Vac 150W - max load applicable 100Wsu 24Vcc, diagnostic of optical and acoustic alarms with SAM 100 card Breakless power supply. Backup batteries 2 x 12V 1,2Ah. Power and battery status diagnostics. Equipped with a siren 110 dB and flashlight 5W. Descriptions into BT 31. Manual CP4 Plus
8575310280		CP4 PLUS cabinet/RM x max 5 control boards For use in local magnetic resonance imaging. Selectable power supply or 110 or 230Vac 150W - max load applicable 100Wsu 24Vcc, Buzzer 75db; diagnostic of optical and acoustic alarms with SAM 100 card. Break less power supply. Backup batteries 2 x 12V 1,2Ah. Power and battery status diagnostics. Auxiliary switch for ventilation systems. Descriptions into BT 31. Manual CP4 Plus

6.5. Cabinets 12 and 24 places control boards cp12 and cp24 PLUS












Ordering Code	Image	Description
8575310100		Cabinet RACK19 "CP12-Plus 11 places card, selectable power supply or 110 or 230Vac 240W - max load 200W on 24Vdc, Buzzer 75db, flashing 5W, diagnosis of optical and acoustic alarms with SAM 100 card. Descriptions into BT 30. Manual CP12 e CP24 Plus
8575310101		Cabinet RACK19 "CP12-Plus / L 11 places card, selectable Power supply or 110 or 230Vac 240W - max load 200W on 24Vdc, Buzzer 75db; flashing 5W, diagnosis of optical and acoustic alarms with SAM 100 card, Descriptions into BT 30. Manual CP12 e CP24 Plus
8575310102		Cabinet RACK19 "CP12-Plus / L 11 places card, selectable Power supply or 110 or 230Vac 240W - max load 200W on 24Vdc, Buzzer 75db; flashing 5W, diagnosis of optical and acoustic alarms with SAM 100 card, 5W, diagnostic of optical and acoustic alarms with SAM 100 card, Descriptions into BT 30. Manual CP12 e CP24 Plus
8575310103		Cabinet RACK19 "CP12-Plus / SL 11 places card, selectable Power supply or 110 or 230Vac 240W - max load 200W on 24Vcc, Siren 110db, flashing 5W, diagnostic of optical and acoustic alarms with SAM 100 card, Descriptions into BT 30. Manual CP12 e CP24 Plus
8575310120		Cabinet RACK19 "CP24-Plus 23 places card, selectable power supply or 110 or 230Vac 480W - max load 400W on 24Vcc, Buzzer 75db, flashing 5W, diagnostic of optical and acoustic alarms with SAM 100 card, Descriptions into BT 30. Manual CP12 e CP24 Plus
8575310121		Cabinet RACK19 "CP24-Plus / L 23 seats card, selectable power supply or 110 or 230Vac 480W - max load 400W on 24Vcc, Buzzer 75db, flashing 5W, diagnostic of optical and acoustic alarms with SAM 100 card, Descriptions into BT 30. Manual CP12 e CP24 Plus
8575310122		Cabinet RACK19 "CP24-Plus / S (siren) 23 places card, selectable power supply or 110 or 230Vac 240W - max load 400W on 24Vcc, siren 110db, flashing 5W, diagnostic of optical and acoustic alarms with SAM 100 card. Descriptions into BT 30. Manual CP12 e CP24 Plus
8575310123		Cabinet RACK19 "CP24-Plus / SL (siren and flashing) 23 places card, selectable power supply or 110 or 230Vac 480W - max load 400W on 24Vcc, siren 110db, flashing 5W, diagnostic of optical and acoustic alarms with SAM 100 card. Descriptions into BT 30. Manual CP12 e CP24 Plus

6.6. Accessories for cabinets and racks

Ordering Code	Image	Description
8570121000		3U Blind front panel to be ordered to complete standard racks and cabinets.
8575310107		Cabinet continuity kit CP12 - CP24 provides emergency power supply for up to 24 boards (max 20 min without additional loads). Supplied with 2 rechargeable 12V 3.2Ah batteries with fixing bracket + 150W rescuer charger














7. Complete systems for special applications

7.1. Ambient protection for Magnetic resonances





Ordering Code	Image	Description
8575310300		CP4 PLUS/O2/RM- System RO2 on the premises of the magnetic resonances. Complete with cabinets, control Board, transmitter for the detection of O2 in He, rotating fixing bracket for the transmitter, suitable IP66 cable gland. Descriptions into BT 100. Manual Quick
8575310500		CP4 PLUS/O2/RM- System RO2 on the premises of the magnetic resonances. Complete with cabinets, control Board, transmitter for the detection of O2 in He, rotating fixing bracket for the transmitter, suitable IP66 cable gland. Complete with 30 meters of twisted and double shielded cable Descriptions into BT 100. Manual Quick
8570059100		System Humidity and temperature detection for local RM composed of A 2tx2tw °c RH Transmitter, and two Cards mod. MP0/4-20ma In addition to 30 metres of four-pole cable with double shielding. Descriptions into BT 10. Manual 2TX2TW°C RH
8575309197		Remote synoptic Modules for systems of Gas Sidor Detection In local RM. 4 analogue inputs and 1 RS485 modbus RTU input. Panel 7 "High Brightness LCD colors. Metal Cassette 260 x 160 x 91
8570055000		TX2W-O2-4 A - Two-wire 4-20mA transmitter with SENSOR range 0-25% O2 for measurements even in the presence of He and CO2. The SENSOR measures the partial pressure of O2 - Life sensor expected SENSOR> 4 years. IP66 non-magnetic casing. ProtectionSENSOR with Gore membrane and metal shield. Descriptions into BT 7. Manual TX2W
8570059000		2TW2W RH-C Double 4-20mA transmitter for temperature measurement 0 ° + 100 ° C (standard configuration) and humidity 0-100% RH, output 4 20 mA for each channel. Non-magnetic casing with special shielding for RM environment. Descriptions into BT 10. Manual 2TX2TW ° C RH
8515223283		Two-channel remote display with 2.8 "TFT panel with acoustic and LED warning light. 24Vdc power supply from CP4 or CP1 control panels. Complete with ACK, RESET and TEST keys. Descriptions into BT 42
8515220000		Spool 30 mt. twin-layered double-pole cable, double-shielded and high mechanical Protection installations near gradients and RF cables
8515220005		Spool 30 mt. twin-layered four-pole cable, double-shielded and high mechanical Protection installations near gradients and RF cables
8553023020		SENSOR O2 KE25 Adapter for oxygen detection systems without Transmitter. Complete with BNC Connection and amagnetic screws.
8515250010		Cable gland Kit for TX2W, ProtectionIP66. Composed of cable glands, 1 "to 1/2" brass, amagnetic reductions, reduction rubber for cables minimum diameter 6mm.

8. PORTABLE INSTRUMENTS


8.1. Monogas detectors

Ordering Code	Image	Description
8520220130		Portable detector of H2S range 0-100 ppm tipo BW GAXT-H-DL 4 audible, bright and vibration alarms, TWA, Set, high and low concentration. Battery life and SENSOR 2 years. Brochure Gas alert estreme . Manual Gas Alert Extreme
8520220140		Portable SO2 Detector range 0-100 ppm tipo BW GAXT-S-DL, 4 audible, bright and vibration alarms, TWA, Set, high and low concentration. Battery life and SENSOR 2 years. Brochure Gas alert estreme . Manual Gas Alert Extreme
8520220150		HCN Range 0-3 Portable Detector 0 PPM Type BW GAXT-Z-DL 4 audible, bright and vibration alarms, TWA, Set, high and low concentration. Battery life and SENSOR 2 years. Brochure Gas alert estreme . Manual Gas Alert Extreme
8520220160		Portable CO Range Detector 0-999 PPM Type BW GAXT-M-DL 4 audible, bright and vibration alarms, TWA, Set, high and low concentration. Battery life and SENSOR 2 years. Brochure Gas alert estreme . Manual Gas Alert Extreme
8520220170		CL2 Range Portable Detector 0- 50 PPM Type BW GAXT-C-DL 4 audible, bright and vibration alarms, TWA, Set, high and low concentration. Battery life and SENSOR 2 years. Brochure Gas alert estreme . Manual Gas Alert Extreme
8520220180		Portable NO2 Detector Range 0- 99 PPM Type BW GAXT-D-DL 4 audible, bright and vibration alarms, TWA, Set, high and low concentration. Battery life and SENSOR 2 years, Brochure Gas alert estreme . Manual Gas Alert Extreme
8520220190		Portable NH3 Range Detector 0- 100 PPM Type BW GAXT-A-DL 4 audible, bright and vibration alarms, TWA, Set, high and low concentration. Battery life and SENSOR 2 years. Brochure Gas alert estreme . Manual Gas Alert Extreme
8520220220		PH3 Range Portable Detector 0- 5,0 PPM Type BW GAXT-P-DL 4 audible, bright and vibration alarms, TWA, Set, high and low concentration. Battery life and SENSOR 2 years, Brochure Gas alert estreme . Manual Gas Alert Extreme
8520220230		ETO Range Portable Detector 0- 100 PPM Type BW GAXT-E-DL 4 audible, bright and vibration alarms, TWA, Set, high and low concentration. Battery life and SENSOR 2 years. Brochure Gas alert estreme . Manual Gas Alert Extreme
8520220240		CLO2 Range Portable Detector 0- 1 PPM Type BW GAXT-V-DL 4 audible, bright and vibration alarms, TWA, Set, high and low concentration. Battery life and SENSOR 2 years. Brochure Gas alert estreme . Manual Gas Alert Extreme
8520220250		O3 Portable Detector Range 0- 1 PPM Type BW GAXT-G-DL 4 audible, bright and vibration alarms, TWA, Set, high and low concentration. Battery life and SENSOR 2 years. Brochure Gas alert estreme . Manual Gas Alert Extreme
8520220260		NO Range Portable Detector 0- 250 PPM Type BW GAXT-N-DL 4 audible, bright and vibration alarms, TWA, Set, high and low concentration. Battery life and SENSOR 2 years. Brochure Gas alert estreme . Manual Gas Alert Extreme
8520220110		O2 Range 0-30% Portable Detector Type BW GAXT-X-DL 2 acoustic alarms, luminous and vibration, high and low concentration. Battery life and SENSOR 2 years. Brochure Gas alert estreme . Manual Gas Alert Extreme


8.2. Multigas detectors

Ordering Code	Image	Description
8520220355		Gas Alert Micro Clip tipo MC-XWHM-Y-EU-01 Portable Multigas Detector O2 0-30% Vol, 0-100% LIE, CO 0-500 ppm H2S range 0-100 ppm, Complete with "Confined space" transport kit, 4 audible, bright and vibration alarms, TWA, Set, high and low concentration. Brochure Gas alert Micro Clip . Manual Gas Alert Micro Clip
8520220370		Gas Alert Micro 5 Type BW M5-XWAY-R-P-D-Y-N-01 -Portable Multigas Sampling detector. 4 X Toxic gases acoustic, luminous and vibration alarms, TWA, Set, high and low concentration 2 alarms for O2 and Lel. Range: O2 0-30% Vol, 0-100% LIE, NH3-0-100ppm, CO 0-500 ppm, H2S 0-300 ppm,-charger, removable pump, datalogger, sampling and transport kit "confined space". Brochure Gas alert Micro 5 . Manual Gas Alert Micro 5
8520220390		Gas Alert Micro 5 IR Type BW M5IR-XWBY-R-P-D-Y-N-01 -Portable Multigas sampling detector. 4 X Toxic gases acoustic, luminous and vibration alarms, TWA, Set, high and low concentration 2 alarms for O2 and Lel. Range: O2 0-30% vol, 0-100% LIE, CO2-0.5% vol, CO 0-500 ppm, H2S 0-300 ppm,-charger, datalogger, removable pump, sampling and transport kit "confined space". Brochure Gas alert Micro 5 . Manual Gas Alert Micro 5
8520220410		Gas Alert Micro 5 PID Type M5PID-XWQY-A-D-0-Y-N-01-Portable Multigas sampling detector. 4 X Toxic gases acoustic, luminous and vibration alarms, TWA, Set, high and low concentration 2 alarms for O2 and Lel. Range: O2 0-30% Vol, 0-100% LIE, CO 0-500 ppm, H2S 0-300 ppm, 0-1000ppm VOC-charger, datalogger, removable pump, sampling and transport kit "confined space". Brochure Gas alert Micro 5 . Manual Gas Alert Micro 5

8.3. Portable oxygen analyzers





Ordering Code	Image	Description
8535092002		MaxO2+ microprocessor based portable O2 analyzer range from 0% to 100% Vol. Battery power supply. SENSOR life from 1 a 4-5 years (oxygen exposition depending). Descriptions into BT 149

8.4. Oxygen analyzers for food gas mixtures

















Ordering Code	Image	Description
8535011500		Portable O2 analyzer in N2 and CO2, graphic display, microprocessor control, complete with pump, filter and set kit, syringe and battery charger. Brochure GPR2000 . Manual GPR2000 .

9. Accessories for installation





9.1. Additional protection for sensors and special assembly.

Ordering Code	Image	Description
8567030000		FLOW CONVEYOR / PARASPRUZZI complete with connection for remote calibration. Description into BT 17
8599073000		CONCENTRATOR of gas - PARAPIOGGIA FOR SENSORS. Description into BT 17
8567018000		FLANGE for fixing sensors in air ducts, Description into BT 17
8515218050		Rotating anodized aluminum BRACKET with stainless steel anti-tightening screws air tight formula. It allows easy fixing to the ceiling and crosspieces of SFC36 enclosures. Description into BT 17








9.2. Accessories for explosion-proof systems

Ordering Code	Image	Description
8599328020		BLOCK COUPLING EZS3 1 "-1" Gk ATEX
8599328030		Gk FITTING NIPPLE 1 "M-1" M Gk ATEX
8599328021		GIUNTO DI BLOCCO EZS3 1"-1" NPT ATEX
8599328031		NIPPLE FITTING NPT 1 "M-1" M NPT ATEX
8599328042		Ceramic bow to seal the blocking joints together with the cables, before the resin coating. Pack of 0.2 kg
8553022010		BICOMPONENT RESIN KIT x LOCKING JOINTS CRV420 conf. 1 Kg
8553022013		LOCTITE 557 thread sealant, 250ml package. To be applied on max two threads of the fittings to be screwed to the TX23W transmitters enclosures. Necessary to guarantee the IP66 seal.
8599328004		REB ADAPTER NF3GM3G galvanized steel 1 "Gk to 1" NPT ATEX
8599328003		REDUCTION RE-GM31NG 1 "NPT to 1/2 "NPT ATEX galvanized steel
8599328015		Mixing cable clamp PMAX1NB-KIT in nickel-plated 1/2 "NPT brass for armored cable. Complete with rubbers for internal cable fixing from 4 to 12mm and external sheath from 6 to 18mm. Has to use with transmitters TX23W-AN into ATEX zone 1 with gases IIC type
8599328019		cable clamp PMAX1NB-KIT in nickel-plated 1/2 "NPT brass for armored cable. Complete with rubbers for internal cable fixing from 4 to 12mm and external sheath from 6 to 18mm. Using with transmitters TX23W-ST and with TX23W-AN into ATEX zone 2 e zone 1 with gases different than IIC type
8553022017		Kit with dosing gun for mixing resin cable glands
8553022018		Resin for cable glands which can be mixed in a 50ml bi-cartridge package
8515220250		Armored cable 3G1.5 (N1VZ5V-K) 3 x1.5mmq (2 conductors signal + earth conductor) skein 50 meters
8515220252		Armored cable 4G1,5 (N1VZ5V-K) 3 x1,5mmq (3 conductor signal + earth conductor) skein 50 meters
8599328027		Smash for detonations, classified ATEX G IIC. Connections 1/4 "GAS.ISO228-1. It must be interposed to separation between a hazardous area and a sampling system such as SAMPLE for gas analysis, to ensure the impossibility of propagation of a primer in a dangerous area. Max absolute pressure of use <1.2 bar temperature <60 ° C..Manual of use





9.3. Filters for SAMPLE

Ordering Code	Image	Description
8575340040		Microfibre filter
8575340045		Filtro per vapori di SO ₂ , SO ₃ , NO ₂ , CO ₂ , HCL, PCL ₃ , BF ₃
8575340050		Filtro per vapori d'acqua.
8575340060		Filtro idrofobico in aggiunta del filtro per vapori.

9.4. Acoustic and luminous alarms, emergency buttons







Ordering Code	Image	Description
8515223200		RAOA-1 - BUZZER 82 db AND FLASHING Red 5W INTEGRATED. FOR 24Vdc or 24Vac WALL INSTALLATION. Descriptions into BT 42.
8515223203		RAOA-1 - BUZZER 82 db AND FLASHING three colors red, yellow and green 5W INTEGRATED. FOR 24Vdc or 24Vac WALL INSTALLATION. Descriptions into BT 42.
8515224000		RAOA-2 - RED FLASHING 5W 24VDC. Descriptions into BT 42
8515204000		RAOA-3 - SIRENA 110 db for connection to SAM100 Descriptions into BT 42
8515204033		RAOA-6- Electronic and flashing siren Xeno Red Exd IIB + H2 IIG 24Vac / dc complete with omega plate for wall mounting in stainless steel AISI 304 Ex d shell IIC T5-T3 IP 66 IIGD Ex tb IIIC complete with XENON flash lamp 24Vac / dc with red cap Descriptions in BT 42
8515222000		RAOA-4 - Buzzer 75 db, 24Vdc power supply for connection to SAM100 or various applications. Descriptions into BT 42
8675324005		PES-1 Emergency button with the Protectioncontrol the accidental actuation, for the manual release of solenoid valves, power lines or the activation of specific alarms. Electrical connection with NC contact. IP65. Manual reset with rotation. Descriptions into BT 42

9.5. Solenoid valves for the interception of gas lines.





Ordering Code	Image	Description
8521000120		ELEVA-1 2-way solenoid valve, 3/4 "G connection, normally closed with Manual reset. ProtectionIP65. Bronze body, steel springs. Gaskets in Buna compatibility with H ₂ . Pressure max 5 bar. 24Vdc coil, 5W - continuous operation. Descriptions into BT 47
8521000000		ELEVA-2 3-Way Solenoid Valve 1/4 "G connection with Manual reset. Bronze body, steel springs. ProtectionIP65. Bronze body, steel springs. Gaskets in Buna compatibility with H ₂ . Max pressure 14 bar. 24Vdc coil, 5W - continuous operation. Descriptions into BT 47
8521000110		ELEVA-3 2-way solenoid valve, 3/4 "G connection, normally closed with Manual reset. Protection ATEX EEx d G2 IIC -. Bronze body, steel springs. Gaskets in Buna compatibility with H ₂ , max pressure 5 bar. 24Vdc coil, 5W - continuous operation. Descriptions into BT 47
8521000050		ELEVA-4 3-way solenoid valve 1/4 "G connection with Manual reset. ProtectionEXEX EEx d G2 IIC - 1/4 "G connection Bronze body, steel springs, Buna compatible with H ₂ , max pressure 14 bar Coil 24Vdc 5W max pressure 14 bar Expected operation: continuous. Descriptions into BT 47

10. RICAMBI







10.1. Nipples, ferrules and flowing sensors cells.

Ordering Code	Image	Description
8553921600		NUT thread M42x1,5 external thread with AISI 316 SINTER FILTER replacement for catalytic sensors, solid state and electrochemical sensors
8553921610		NUT thread M42x1,5 external thread with METAL NETWORK AND MEMBRANE GORE replacement for Electrochemical sensors. Offers maximum protection against water and dust
8553921630		Fluid cell WITH AISI 316 SINTERED FILTER x flow measurements with spiral gas path.
8553921640		Fluid cell WITH FILTER GORE x flow measurements with spiral gas path.
8553921700		NIPPLO x ST sensors with GK1 / ST UNI6125 connection
8553921701		NIPPLO x ST sensors with 1 NPT connection

10.2. Spare connection casing.






Ordering Code	Image	Description
8599326000		Casing IP66 SFC36-1 Gk
8599327000		Casing ATEX SFC36-1 Gk
8579030350		Casing ATEX certified like component SFC36-1 Gk
8579030352		Casing ATEX certified like component-1 NPT

10.3. ST replacement sensors complete with nipple






Ordering Code	Image	Description
8553052000		Nipple and ferrule x SENSOR ST completo di SENSITIVE ELEMENTST-CAT VQ1 (generic application - expected life 3-4 years - low resistance to poisons)
8553057000		Nipple and ferrule x SENSOR ST completo di SENSITIVE ELEMENTST-CAT VQ21TB Generic application - expected life 4-5 years - high resistance to poisons - eccellente stabilita
8553052500		Nipple and ferrule x SENSOR ST completo di SENSITIVE ELEMENTST-CAT 300P-Z generic application - expected life 3-4 years - high resistance to poisons
8553052700		Nipple and ferrule x SENSOR ST completo di SENSITIVE ELEMENTST-CAT NP30-Z generic application - expected life 3-4 years - high resistance to poisons
8553060000		Nipple and ferrule x SENSOR ST completo di SENSITIVE ELEMENTST-CAT VQ25 application GPL, C4H10, C6H14 not suitable for methane- expected life 4-5 years - high resistance to poisons e concentrazioni elevate
8553064000		Nipple and ferrule x SENSOR ST completo di SENSITIVE ELEMENTST-CAT VQ41 application NH3, JET FUEL, C4H10 not suitable for methane- expected life 3-4 years - low resistance to poisons

10.4.Replacement sensors for models of previous gas detectors





10.4.1. Oxygen sensors

Ordering Code	Image	Description
8550131000		Se-O2 spare SENSOR x O2 7OX-V
8560055000		Se-O2 4 A Spare SENSOR x O2 KE25
8560056000		Se-O2 8 A Spare SENSOR x O2 KE50
8550143000		Se-O2 MD Spare SENSOR x O2 2FO
8550121000		Se-O2 C/Y Spare SENSOR x O2 C/Y


10.4.2. Sensors for toxic gases

Ordering Code	Image	Description
8550117000		Se-CO-200 Spare SENSOR x TX2 W Carbon monoxide (CO) – mod. 7E/F
8550146000		Se-H2S-200 Spare SENSOR x TX2 W Hydrogen sulphide (H2S 200ppm) – mod. 7HH
8550148000		Se-SO2 Spare SENSOR x TX2 W Sulfur dioxide (SO2) – mod. 7SH
8550061000		Se-Cl2 Spare SENSOR x TX2 W Chlorine (Cl2) – mod. 7CLH
8550158000		Se-ETO Spare SENSOR x TX2 W Ethylene oxide (C2H4O) – mod. 7ETO
8550145000		Se-HCN Spare SENSOR x TX2 W Hydrogen cyanide (HCN) – mod. 7HCN
8550203000		Se-NH3-100 Spare SENSOR x TX2 W Ammonia 100 ppm NH3 –SENSORIC 3E-100SE
8550182000		Se-H2S-50 Spare SENSOR x TX2 W Hydrogen sulphide (H2S 50 ppm) – mod. 7H
8550123000		Se-NO Spare SENSOR x TX2 W Nitric Oxide (NO) – mod. 7NT
8550179000		Se- NO2 Spare SENSOR x TX2 W Nitrogen dioxide (NO2) – mod. 7NDH
8550206000		Se-NH3-1000 Spare SENSOR x TX2 W Ammonia 1000 ppm NH3 –SENSORIC 3E-1000SE
8550183000		Se- HCL Spare SENSOR x TX2 W Hydrochloric acid (HCL) – mod. 7HL
8550205000		Se-F2 Spare SENSOR x TX2 W Fluorine 1 ppm F2 –SENSORIC mod. F2-3E-1
8550205000		Se-O3 Spare SENSOR x TX2 W Ozone 1 ppm O3 –SENSORIC mod. O3-3E-1






10.4.3. Spare sensors VQ6XX

Ordering Code	Image	Description
8553003000		Spare SENSOR for combustible gases VQ601/1 ATEX generic application - expected life 3-4 years – low resistance to poisons
8553004000		Spare SENSOR for combustible gases VQ621/1 ATEX generic application - expected life 4-5 years – high resistance to poisons
8553005000		Spare SENSOR for combustible gases VQ625/1 ATEX application GPL, C4H10, C6H14 not suitable for methane- expected life 4-5 years – high resistance to poisons e concentrazioni elevate
8553007000		Spare SENSOR for combustible gases VQ641/1 ATEX application NH3, JET FUEL not suitable for methane- expected life 3-4 years – low resistance to poisons




10.4.4. Spare boards for previous nipples

Ordering Code	Image	Description
8570157002		Electronic board for sensors O2 and TOX – PORSEN

10.4.5. Replacement sensors for oxygen analyzers

Ordering Code	Image	Description
8550090000		ANALYTICAL GPR -12-333 (x GPR12-11 -1200 -1100)
8550101000		ANALYTICAL PSR-11-23 (Tipo B 3)
8550099000		ANALYTICAL PSR-12-223 (Tipo B2- B2C – M2 - Insta trace)
8535094000		SENSOR PER OM 25 AE MAX 250E
8550090050		SENSOR GPR12-100_M (GPR-1500D)

10.4.6. Spare sensors IST





Ordering Code	Image	Description
On demand		Solid state SENSOR IST % LEL.
On demand		Solid state SENSOR IST ppm measurement cat. 1°.
On demand		Solid state SENSOR IST ppm measurement cat. 2°.

11. CALIBRATION KIT




11.1. Calibration kit complete with disposable bottle

Ordering Code	Image	Description
8599400000		KCM / CH4: 1 liter bottle with 10-13 l of 2.5% methane in air Complete with valve, flowmeter, tygon tube, diffusion funnel, user manual complete with certificate of analysis. User Manual KMC Descriptions into BT 50. Calibration Manual Kit.
8599400100		KCM / H2: 1 liter bottle with 10-13 l of 2% hydrogen in the air. Complete with valve, flow meter, tygon tube, diffusion funnel, user manual complete with certificate of analysis. User Manual KMC Descriptions into BT 50. Calibration Manual Kit.
8599400200		KCM / CO: 1 liter bottle with 10-13 l of 100ppm carbon monoxide in air. Complete with valve, flow meter, tygon tube, diffusion funnel, user manual complete with certificate of analysis. KMC Operating Manual Descriptions into BT 50. Calibration Manual Kit.
8599400300		KCM / PR: 1 liter bottle with 10-13 l of 1% Propane in air. Complete with valve, flow meter, tygon tube, diffusion funnel, user manual complete with certificate of analysis .. User Manual KMC Descriptions into BT 50. Calibration Manual Kit.
8599400400		KCM / AC: 1 liter bottle with 10-13 l of 0.5% Acetone in air. Complete with valve, flow meter, tygon tube, diffusion funnel, user manual complete with certificate of analysis .. User Manual KMC Descriptions into BT 50. Calibration Manual Kit.
8599400500		KCM / N2O: 1 l tank with 10-13 l of nitrous oxide 52 ppm in air. Complete with valve, flow meter, tygon tube, diffusion funnel, user manual complete with certificate of analysis. User Manual KMC Descriptions into BT 50. Calibration Manual Kit.
8599400600		KCM / NO100: 1 liter bottle with 10-13 l of 100% nitrogen. Complete with valve, flow meter, tygon tube, diffusion funnel, user manual complete with certificate of analysis .. User Manual KMC Descriptions into BT 50. Calibration Manual Kit.
8599400550		KCM / Air: 1 l tank with 10-13 l of compressed air. Complete with valve, flow meter, tygon tube, diffusion funnel, user manual complete with certificate of analysis. KMC Operating Manual Descriptions into BT 50. Calibration Manual Kit.
8599400700		KCM / O218: 1 l tank with 10-13 l of oxygen in 18% Nitrogen in air. Complete with valve, flow meter, tygon tube, diffusion funnel, user manual complete with certificate of analysis. KMC Operating Manual Descriptions into BT 50. Calibration Manual Kit.
8599400750		KCM / O219: 1 l tank with 10-13 l of oxygen in 19% Nitrogen in air. Complete with valve, flow meter, tygon tube, diffusion funnel, user manual complete with certificate of analysis. User Manual KMC Descriptions into BT 50. Calibration Manual Kit.
8599400800		KCM / CO2: 1 liter bottle with 10-13 l of 2% carbon dioxide in N2. Complete with valve, flow meter, tygon tube, diffusion funnel, user manual complete with certificate of analysis. KMC Operating Manual Descriptions into BT 50. Calibration Manual Kit.
8599400900		KCM / H2S: 1 l tank with 10-13 l of H2S 25.1 ppm in air. Complete with valve, flow meter, tygon tube, diffusion funnel, user manual, complete with certificate of analysis. KMC Operating Manual Descriptions into BT 50. Calibration Manual Kit.




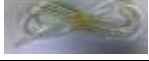




11.2. Kit ricaricabile

Ordering Code	Image	Description
On demand		5 l cylinder with 500-600 l of certified mixture of combustible and toxic non-corrosive gases, below the LEL but with values in% Vol. The kit is complete with pressure reducer with integrated flow meter + tygon connection tube, diffusion funnel
On demand		5 l cylinder with 500-600 l of certified mixture of combustible and toxic non-corrosive gases, in ppm. The kit is complete with pressure reducer with integrated flow meter + tygon connection tube, diffusion funnel
On demand		5 l steel cylinder with 500-600 l of certified ppm mixture of NH3. The kit is complete with pressure reducer with integrated steel flow meter + tygon connection tube, diffusion funnel
On demand		5 l steel cylinder with 500-600 l of certified ppm mixture of CL2, NO2, etc. The kit is complete with pressure reducer with integrated steel flow meter + tygon connection tube, diffusion funnel
On demand		1l bottle with 100-150 l of certified mixture combustible and toxic non-corrosive gases, below the LEL but with values in% Vol. The kit is complete with pressure reducer with integrated flow meter + tygon connection tube, diffusion funnel
On demand		1l bottle with 100-150 l of certified mixture combustible and toxic non-corrosive gases, in ppm. The kit is complete with pressure reducer with integrated flow meter + tygon connection tube, diffusion funnel
On demand		1l steel cylinder with 100-150 l of certified ppm mixture of NH3. The kit is complete with pressure reducer with integrated steel flow meter + tygon connection tube, diffusion funnel
On demand		1l steel cylinder with 100-150 l of certified mixture ppm of CL2 or NO2 etc. ... The kit is complete with pressure reducer with integrated steel flowmeter + tygon connection tube, diffusion funnel.


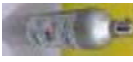



11.3. BM1L6 and BM calibration kit

Ordering Code	Image	Description
8599405050		KC1L6 Kit for using BM1L6 cylinders. Complete with pressure and flow regulator valve, pressure gauge, cylinder pressure reading, flow meter, 1.5 m tygon tube, universal diffusion funnel, user manual. KMC user manual Descriptions into BT 50. Calibration Manual Kit.
8599405060		KC1L6 Kit for using BM1L6 cylinders. Complete with pressure and flow regulator valve, pressure gauge for INOX cylinder pressure reading, flowmeter, 1.5 m tygon tube, universal diffusion funnel, user manual. KMC user manual Descriptions into BT 50. Calibration Manual Kit.
8599405000		KC - Kit for using standard BM cylinders. Complete with valve, flowmeter, 1.5m tygon tube, universal diffusion funnel, user manual. KMC user manual Descriptions into BT 50. Calibration Manual Kit.







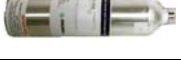




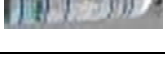

11.4. Calibration accessories

Ordering Code	Image	Description
8599411950		Reducer with chrome plated brass valve and pressure gauge for single use 1.6 liter bottles. Descriptions into BT 50.KMC user manual
8599411970		Reducer with adjustment valve STEEL AISI 316 and pressure gauge for single use 1.6 l. Descriptions into BT 50. KMC user manual
8599340010		Flowmeter 0.2-1.2l / min calibration N2. Descriptions into BT 50. KMC user manual
8599361001		1.5m piece of Tygon tube x gas calibration kit. Descriptions into BT 50. KMC user manual
8599359000		Regulating valve for single use cylinders 1l. Descriptions into BT 50. KMC user manual
8553023008		UNIVERSAL DIFFUSION SICOR SENSORS - Body in PVC, tube connection in chromed brass - forced coupling x sensors dim. 40mm, M42 x1.5 and M46 x 1.5 concentric threads (x VQ6xx series sensors). Descriptions into BT 50. KMC user manual
8553023019		SICOR universal speaker adapter for Systech O2 sensor calibration. Descriptions into BT 50. KMC user manual
8599405067		Shockproof plastic casing 485x392x192 with stainless steel hinges IP 67 protection and non-magnetic. Descriptions into BT 50. Descriptions into BT 50

11.5. 1.6 Liter multigas and special gas cylinders

Ordering Code	Image	Description
8599411000		BM1L6 / Air-CH4-H2S-CO: Single-use gas cylinder, 1.6l 64l gas charge 20.9% O2 25ppmH2S 100ppmCO 2.2% CH4 complete with certificate of analysis. Descriptions into BT 50. Calibration Manual Kit.
8599411500		BM1L6 / NO2: Single-use gas cylinder, 1.6L charge 64l gas 3 ppm Nitrogen dioxide in air complete with certificate of analysis. Descriptions into BT 50. Calibration Manual Kit.
8599411020		BM1L6 / NH3100: 1.6L single-use gas cylinder 1 charge 64l gas 100ppm NH3 in air complete with certificate of analysis. Descriptions into BT 50. Calibration Manual Kit.
8599411030		BM1L6 / NH3500: 1.6L single-use gas cylinder 1 charge 64l gas 500ppm NH3 in air complete with certificate of analysis. Descriptions into BT 50. Calibration Manual Kit.
8599411010		BM1L6 / C4 H8: 1.6 l single-use gas cylinder, charge 64l of Isobutylene 1000ppm in air complete with certificate of analysis. Descriptions into BT 50. Calibration Manual Kit.

11.6. 1 Liter disposable cylinder.

Ordering Code	Image	Description
8599410000		BM/CH4: 1 liter cylinder with 10-12 l of 2,2% methane complete with certificate of analysis. Descriptions into BT 50. Calibration Manual Kit.
8599410100		BM/H2: 1 liter cylinder with 10-12 l of 2% Hydrogen complete with certificate of analysis. Descriptions into BT 50. Calibration Manual Kit.
8599410150		BM / H2-1: 1 liter cylinder with 10-12 l of 1% hydrogen complete with certificate of analysis. Descriptions into BT 50. Calibration Manual Kit.
8599410200		BM / CO: 1 liter cylinder with 10-12 l of 100ppm carbon oxide complete with certificate of analysis. Descriptions into BT 50. Calibration Manual Kit.
8599410300		BM / PR: 1 liter cylinder with 10-12 l of Propane 0.85% complete with certificate of analysis. Descriptions into BT 50. Calibration Manual Kit.
8599410400		BM / AC: 1 liter cylinder with 10-12 l of 0.5% Acetone complete with certificate of analysis. Descriptions into BT 50. Calibration Manual Kit.
8599410500		BM / N2O: 1 liter cylinder with 10-12 l of 52 ppm nitrous oxide complete with certificate of analysis. Descriptions into BT 50. Calibration Manual Kit.
8599410600		BM/NO100: 1 liter cylinder with 10-12 l of 100% Nitrogen complete with certificate of analysis. Descriptions into BT 50. Calibration Manual Kit.
8599410550		BM/AIR: 1 liter cylinder with 10-12 l of compressed air complete with certificate of analysis. Descriptions into BT 50. Calibration Manual Kit.
8599410700		BM/O218: 1 liter cylinder with 10-12 l of 18% Nitrogen Oxide complete with certificate of analysis. Descriptions into BT 50. Calibration Manual Kit.
8599410750		BM/O219: 1 liter cylinder with 10-12 l of 19% Nitrogen oxygen complete with certificate of analysis. Descriptions into BT 50. Calibration Manual Kit.
8599410800		BM/CO2: 1 liter cylinder with 10-12 l of 2% carbon dioxide complete with certificate of analysis. Descriptions into BT 50. Calibration Manual Kit.
8599410900		BM/H2S: 1 liter cylinder with 10-12 l H2S 25 ppm complete with certificate of analysis. Descriptions into BT 50. Calibration Manual Kit.

12. SALES CONDITIONS

These general conditions cancel all previous ones and are subject to change without notice.

These terms and conditions of sale are understood to be completely accepted by the Customer with the assignment of the order.

PACKAGING - The standard packaging (in cartons) is free. Special packaging must be specified at the time of ordering and will therefore be added to the offer.

PRICES - Prices are those in force at the time of acceptance of the order by Sidor S.p.A. and resulting from the order confirmation of Sidor S.p.A. it. The prices indicated in the price list and in the offers are always to be considered net of VAT.

RETURNS - The type of delivery is from ex work Sidor conditions unless otherwise agreed.

MINIMUM ORDER - The minimum amount is defined in the general conditions that regulate the relationship with customers and is transmitted by the sales service of Sidor.

TESTING

Unless otherwise agreed, testing means, if applicable, the calibration tests of goods to standard references and the results of such tests. Test certificates are attached to the product. Different tests will be granted after technical and economic agreement. The customer can request to attend the tests, only for supply lots with significant quantities of a specific product or for a special plant.

ORDERS - The obligation of Sidor S.p.A. will be perfect only after specific acceptance of each specific order. Orders are irrevocable and will remain firm for 30 days. Possible partial deliveries may be made. Furthermore, in order to avoid unpleasant misunderstandings for the identification of products, it is advisable to refer to the nomenclature and the codes shown on this official price list. We do not accept returns unless previously authorized in writing, and in any casing only in Porto F.co.

TERMS OF DELIVERY

The terms of delivery are not binding, and are indicative. Any delays do not give the right to cancel or reduce the customer's orders and can not be grounds for damages.

TRANSPORT

In casings where the shipping method is not explicitly indicated by the Customer, the shipment will be made in the manner deemed most appropriate by the Company. The goods travel at the risk of the customer, even if shipped in "free port". Any responsibility of SICOR S.p.A. ceases with delivery to the carrier. Any insurance coverage is carried out only on specific request and at the expense of the Customer. Sidor S.p.A. assumes no responsibility for failure or delay in delivery, for shortages and / or damage due to transport, as carriers are responsible, the recipient must make reservations before the collection of goods.

PAYMENT

The conditions are those indicated in the order and are binding for the customer even in the casing of delay in the arrival of the goods, or partial or total breakdowns or losses occurred during transport and in casings where the goods available to the customer at the Company is not withdrawn by the Customer. All invoices must be settled upon expiry. If the Customer does not provide for the payment of the invoiced amounts, the default interest will remain at his charge, without the need for formal notice of default, in the official discount rate, in effect at the agreed payment date, plus 4 points starting from expiry of the invoices, as well as all expenses that were a direct consequence of the default. In any casing, the damages suffered by Sidor S.p.A. for these delays. In the hypothesis of insolvency, even partial, by the Customer, Sidor S.p.A. pursuant to and for the purposes of Articles 1453 and 1456 C.C. has the right to immediately suspend the supply and to consider that this order has been terminated by right and also any other orders in progress with the same Customer.

PROPERTY RESERVE

The products supplied to the Customer will remain the property of Sidor S.p.A. until full payment of them.

MINIMUM BILLABLE

Unless otherwise agreed, the minimum order of supply must be Euro 250.00, excluding spare parts and repairs.

COMPLAINTS

Any complaints regarding the quantity, type of product supplied and the species must be made to Sidor S.p.A, exclusively by written communication within the terms of the law from the arrival of the goods and in any casing no later than 30 days. Any complaints about the quality must be made to the Company within the terms of the laws from the discovery of the defects or defects. No claim regarding the alleged defects or defects of the material can be claimed, without any exception, if the regular full payment of the material to which the complaint refers has not taken place. Claims regarding the quality of the material sold under Special Conditions can not be taken into consideration. Any complaints or disputes concerning part of the goods do not exonerate the Customer from the obligation to withdraw the remaining quantity within the limits of the order.

WARRANTY

The products of Sidor S.p.A. they are warranted for failures due to manufacturing defects attributable to it. The warranty is void if more than one year has elapsed since the delivery of the material, the material has been used outside the operating conditions indicated in the technical specifications, the material has been modified or manipulated in any casing.

The warranty is limited to the replacement of the products recognized as defective, therefore Sidor S.p.A will not be held to any compensation for transport, installation, damage both direct and third parties and in any casing for any other cause. Sidor S.p.A is in possession of an insurance coverage of a primary company, relating to a Civil Liability Insurance Policy and will respond within the terms and within the limits of this insurance coverage.

DISPUTES

For disputes or disputes, the Court of Milan remains the sole competent court even in the casing of franked dispatches. The Italian law applies to this contract.