

# GDR403

RILEVATORE PER GAS REFRIGERANTI  
REFRIGERANT GAS DETECTOR

IP67 | CON SENSORE REMOTO  
WITH REMOTE SENSOR



La connessione alla centrale gas può avvenire mediante:

- Segnale 4-20mA
- Segnale 1-5 V / 2-10 V
- Modbus - RS485
- 3 relè (2 allarme, 1 guasto)

Inoltre il rilevatore è dotato di modulo bluetooth, attraverso il quale è possibile:

- Visualizzazione della misura in tempo reale
- Visualizzazione dello stato del rilevatore
- Verifica e taratura
- Test elettrico
- Configurazione relè
- Configurazione RS485
- Visualizzazione dati cartuccia

Outputs connection:

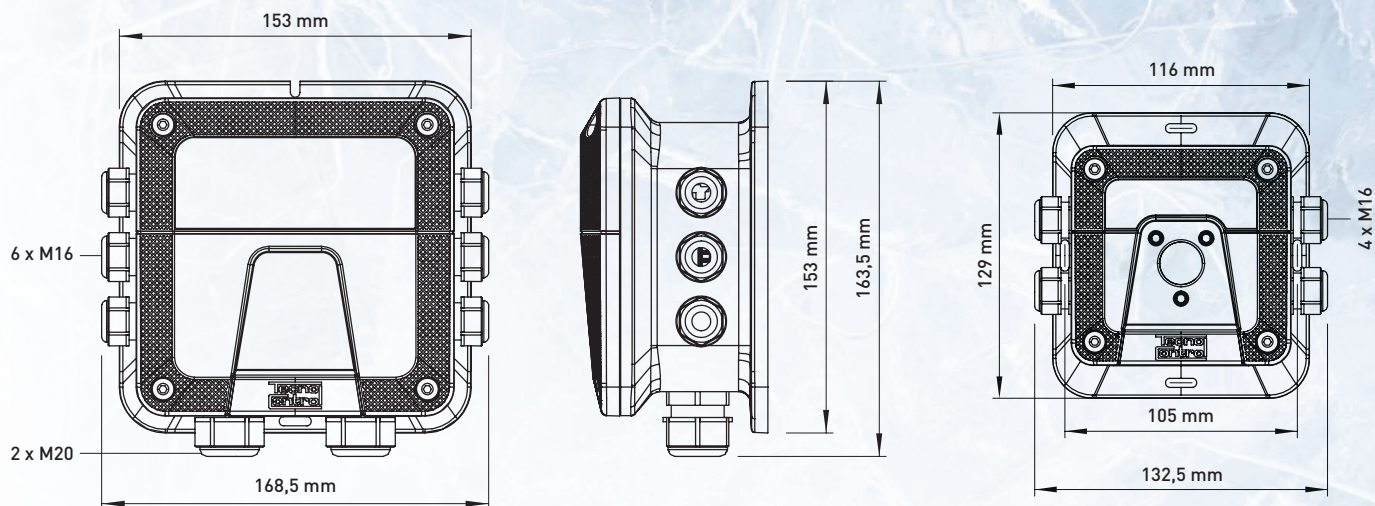
- 4-20mA
- 1-5 V / 2-10 V
- Modbus - RS485
- 3 relay (2 alarm relay, 1 fault relay)

Bluetooth connectivity:

- Real time gas measurement & alarm
- Testing & calibration
- Setting alarm thresholds & relay configuration
- Modbus configuration
- View sensor type, serial number, temperature, electronics, and firmware information
- Non-intrusive set-up and maintenance

## CARATTERISTICHE SENSORI SENSOR SPECIFICATIONS

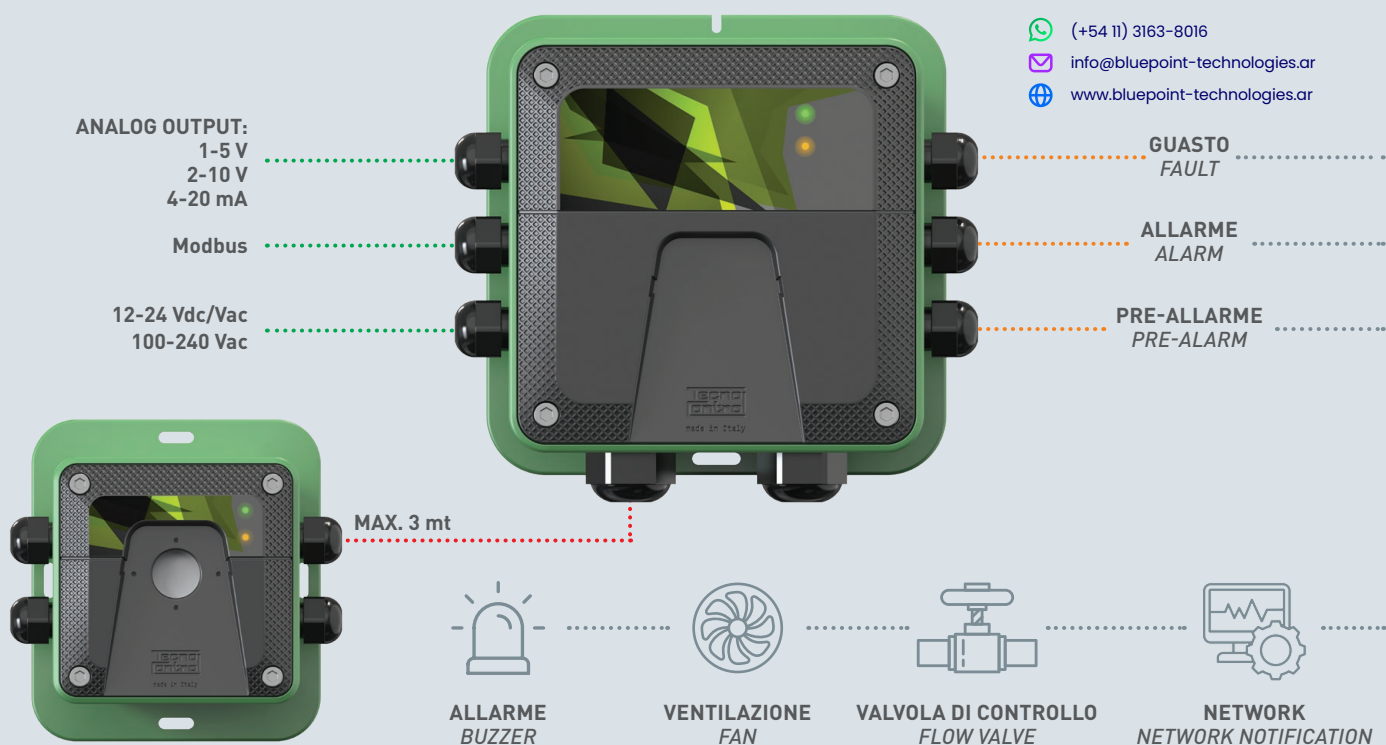
| CODICE / CODE                                          | DESCRIZIONE / DESCRIPTION                              | GAS / GAS                |
|--------------------------------------------------------|--------------------------------------------------------|--------------------------|
| <b>SENSORE ELETTROCHIMICO / ELECTROCHEMICAL SENSOR</b> |                                                        |                          |
| GDR403EA                                               | 4-20mA - 1-5V - 2-10V - Relè - 1.000 ppm - BT - Modbus | NH <sub>3</sub>          |
| GDR403EAH                                              | 4-20mA - 1-5V - 2-10V - Relè - 100 ppm - BT - Modbus   | NH <sub>3</sub>          |
| <b>SENSORE PELLISTOR / PELLISTOR SENSOR</b>            |                                                        |                          |
| GDR403PP                                               | 4-20mA - 1-5V - 2-10V - Relè - 100% LFL - BT - Modbus  | R290 (Propano / Propane) |
| GDR403PG                                               | 4-20mA - 1-5V - 2-10V - Relè - 100% LFL - BT - Modbus  | R600 (n-Butano)          |
| GDR403PX                                               | 4-20mA - 100% LFL - BT - Modbus                        | A richiesta / On request |
| <b>SENSORE INFRAROSSO / INFRARED SENSOR</b>            |                                                        |                          |
| GDR403IC25                                             | 4-20mA - 5.000 ppm - BT - Modbus                       | CO <sub>2</sub>          |
| GDR403IC210                                            | 4-20mA - 10.000 ppm - ( 1% Vol.) - BT - Modbus         | CO <sub>2</sub>          |
| GDR403IC220                                            | 4-20mA - 20.000 ppm - ( 2% Vol.) - BT - Modbus         | CO <sub>2</sub>          |
| GDR403IC250                                            | 4-20mA - 50.000 ppm - ( 5% Vol.) - BT - Modbus         | CO <sub>2</sub>          |
| GDR403I1                                               | 4-20mA - 1-5V - 2-10V - Relè - 2.000 ppm - BT - Modbus | R134a                    |
| GDR403I2                                               | 4-20mA - 1-5V - 2-10V - Relè - 2.000 ppm - BT - Modbus | R404a                    |
| GDR403I3                                               | 4-20mA - 1-5V - 2-10V - Relè - 2.000 ppm - BT - Modbus | R407c                    |
| GDR403I4                                               | 4-20mA - 1-5V - 2-10V - Relè - 2.000 ppm - BT - Modbus | R410a                    |
| GDR403I5                                               | 4-20mA - 1-5V - 2-10V - Relè - 2.000 ppm - BT - Modbus | R507                     |
| GDR403I6                                               | 4-20mA - 1-5V - 2-10V - Relè - 2.000 ppm - BT - Modbus | R449a                    |
| GDR403I7                                               | 4-20mA - 1-5V - 2-10V - Relè - 2.000 ppm - BT - Modbus | R32                      |
| GDR403I8                                               | 4-20mA - 1-5V - 2-10V - Relè - 100% LFL - BT - Modbus  | R290 (Propano / Propane) |
| GDR403I9                                               | 4-20mA - 1-5V - 2-10V - Relè - 100% LFL - BT - Modbus  | R600 (n-Butano)          |
| GDR403IX                                               | 4-20mA - 1-5V - 2-10V - Relè - 2.000 ppm - BT - Modbus | A richiesta / On request |
| <b>SENSORE SEMICONDUZIONE / SEMICONDUCTOR SENSOR</b>   |                                                        |                          |
| GDR403S1                                               | 4-20mA - 1-5V - 2-10V - Relè - 1.000 ppm - BT - Modbus | R134a                    |
| GDR403S2                                               | 4-20mA - 1-5V - 2-10V - Relè - 1.000 ppm - BT - Modbus | R404a                    |
| GDR403S3                                               | 4-20mA - 1-5V - 2-10V - Relè - 1.000 ppm - BT - Modbus | R407c                    |
| GDR403S4                                               | 4-20mA - 1-5V - 2-10V - Relè - 1.000 ppm - BT - Modbus | R410a                    |
| GDR403S5                                               | 4-20mA - 1-5V - 2-10V - Relè - 1.000 ppm - BT - Modbus | R507                     |
| GDR403S6                                               | 4-20mA - 1-5V - 2-10V - Relè - 1.000 ppm - BT - Modbus | R449a                    |
| GDR403S7                                               | 4-20mA - 1-5V - 2-10V - Relè - 1.000 ppm - BT - Modbus | R32                      |
| GDR403SX                                               | 4-20mA - 1-5V - 2-10V - Relè - 1.000 ppm - BT - Modbus | A richiesta / On request |



## SPECIFICHE TECNICHE TECHNICAL SPECIFICATIONS

|                                                                   |                                                                                                                                                                               |                                              |                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>ALIMENTAZIONE</b><br><b>POWER SUPPLY</b>                       | 12-24 Vdc/Vac<br>100-240 Vac - A richiesta<br>12-24 Vdc/Vac<br>100-240 Vac - On request                                                                                       | <b>TIPO DI SENSORE</b><br><b>SENSOR TYPE</b> | Elettrochimico<br>Infrarosso<br>Pellistor<br>Semiconduttore<br><i>Electrochemical<br/>Infrared<br/>Pellistor<br/>Semiconductor</i>                                                                                                                                                                                                                                                                             |
| <b>USCITE</b><br><b>OUTPUTS</b>                                   | 4 -20 mA + Modbus - RS485<br>Analogica 1-5 V / 2-10 V<br>3 uscite relè (2A @ 30 Vdc)<br>4 -20 mA + Modbus - RS485<br>Analogue 1-5 V / 2-10 V<br>3 Relay Outputs (2A @ 30 Vdc) | <b>RANGE</b><br><b>RANGE</b>                 | <b>Elettrochimico:</b> 0-100 ppm / 0-1000 ppm<br><b>Infrarosso:</b> 0-100% LFL / 0-2.000 ppm / 0-1-2-5% Vol / 0-5.000 ppm<br><b>Pellistor:</b> 0-100% LFL<br><b>Semiconduttore:</b> 0-1.000 ppm<br><br><i><b>Electrochemical:</b> 0-100 ppm / 0-1000 ppm<br/><b>Infrared:</b> 0-100% LFL / 0-2.000 ppm / 0-1-2-5% Vol / 0-5.000 ppm<br/><b>Pellistor:</b> 0-100% LFL<br/><b>Semiconductor:</b> 0-1.000 ppm</i> |
| <b>TEMPERATURA DI FUNZIONAMENTO</b><br><b>WORKING TEMPERATURE</b> | - 40°C + 60°C for Infrared & Pellistor<br>- 40°C + 50°C for Electrochemical<br>- 30°C + 60°C for Semiconductor                                                                | <b>VITA MEDIA</b><br><b>AVERAGE LIFE</b>     | <b>Elettrochimico:</b> 2 anni<br><b>Infrarosso:</b> > 5 anni<br><b>Pellistor:</b> 5 anni<br><b>Semiconduttore:</b> 5 anni<br><br><i><b>Electrochemical:</b> 2 years<br/><b>Infrared:</b> &gt; 5 years<br/><b>Pellistor:</b> 5 years<br/><b>Semiconductor:</b> 5 years</i>                                                                                                                                      |
| <b>CARTUCCIA SENSORE</b><br><b>CARTRIDGE SENSOR</b>               | Sostituibile<br>Replaceable                                                                                                                                                   |                                              |                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>CUSTODIA</b><br><b>ENCLOSURE</b>                               | IP67                                                                                                                                                                          |                                              |                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>ALLARME</b><br><b>BUZZER</b>                                   | 80 dB - 10 cm                                                                                                                                                                 |                                              |                                                                                                                                                                                                                                                                                                                                                                                                                |

## CONNESSIONI CONNECTIONS



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