

### THE MODULAR CONNECTED BEACON.

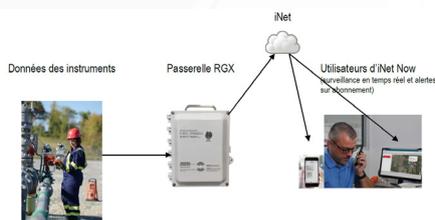
The Radius BZ1 is a multi-gas zone detector that can measure up to 7 gases simultaneously. It can be used both indoors and outdoor applications requiring a perimeter to protect or access perimeter, a device forming a fence, a stand-alone fencing, stand-alone units or confined space monitoring.

It consists of two parts:

- The SafeCore module houses the cells, software, pumps and wireless. It acts as a removable central processing unit.
- The Radius base serves as the user interface, and contains the buttons, display and visual and audible alarm signals.

Available with LENS Wireless (optional), it is possible to connect Radius together for a wireless network application, or with Ventis Pro detectors for applications such as confined-space confined-space surveillance.

iNet compatible, for real-time monitoring with wireless connection.



| LENS Wireless connection | Maximum distance in direct line |
|--------------------------|---------------------------------|
| Radius BZ1 - Radius BZ1  | 300 m                           |
| Radius BZ1 - Ventis Pro  | 100 m                           |
| Radius BZ1 - RGX Gateway | 300 m                           |

NB: for applications including both Radius and Ventis Pro, an intelligent gateway is available.

### TECHNICAL DATA :

**Dimensions :** 29 x 29 x 55 cm

**Weight :** 7.5 kg

**Temperature :** - 20 à +55 °C

**Humidity :** 15 to 95% RH (non-condensing)

**Alarms :** Redundant audible alarms (108 dB at 1 m) and redundant LED visual alarms (red and blue)

**Datalogging :** Recording at 1s intervals, event storage for 90 days (alarms, errors, calibrations, bump-tests, etc.)

**Average battery autonomy :** 7 days without pump, 3.5 days with pump (NiMH rechargeable battery), 8h charging time

**Protection class :** IP66

**Certification :**

ATEX :

Ex da ia IIC T4 Ga, Equipment group and category II 1G

Ex db ia IIC T4 Gb with IR cell, Equipment group, category II 2G

UL :

Class I, Division 1, Groups A, B, C and D; T4

Class 1 Zone 0 AEx da ia IIC T4 Ga

Class 1 Zone 0 AEx db ia IIC T4 Gb with IR cell

**Warranty :** 2 years



### CELL FEATURES :

| Gas                      | Measurement range                                     | Resolution       |
|--------------------------|-------------------------------------------------------|------------------|
| LIE                      | 0 to 100% LEL                                         | 1% LEL           |
| NH <sub>3</sub>          | 0 to 500 ppm                                          | 1 ppm            |
| CO                       | 0 to 1500 ppm                                         | 1 ppm            |
| CO élevé                 | 0 to 9999 ppm                                         | 1 ppm            |
| CO/H <sub>2</sub> faible | 0 to 1000 ppm                                         | 1 ppm            |
| CO/H <sub>2</sub> S      | CO : 0 to 1500 ppm<br>H <sub>2</sub> S : 0 to 500 ppm | 1 ppm<br>0,1 ppm |
| Cl <sub>2</sub>          | 0 to 50 ppm                                           | 0,1 ppm          |
| H <sub>2</sub>           | 0 to 2000 ppm                                         | 1 ppm            |
| H <sub>2</sub> S         | 0 to 500 ppm                                          | 0,1 ppm          |
| HCN                      | 0,4 to 30 ppm                                         | 0,1 ppm          |
| NO <sub>2</sub>          | 0 to 150 ppm                                          | 0,1 ppm          |
| O <sub>2</sub>           | 0 to 30% vol                                          | 0,1% vol         |
| SO <sub>2</sub>          | 0 to 150 ppm                                          | 0,1 ppm          |
| NO                       | 0 to 150 ppm<br>0 to 1000 ppm                         | 0,1 ppm<br>1 ppm |
| PH <sub>3</sub>          | 0 to 5 ppm                                            | 0,01 ppm         |

### STANDARD FUNCTIONS :

- Up to 7 gases from 15 cells (including PID option)
- Large display
- DualSense technology
- LENS Wireless technology (optional)
- Real-time alert with iNet Now (subscription)