

PORTABLE MULTI-GAS DETECTOR

RBR-4x

Four-gas portable detector for O₂, CO, LEL and H₂S with color display and data logging

The **RBR-4x** portable multi-gas detector is a compact, high-performance instrument designed to monitor concentrations of oxygen (O₂), carbon monoxide (CO), combustible gases (LEL) and hydrogen sulfide (H₂S).

Operation is simple and intuitive through a four-button interface, allowing quick and efficient use in the field.

Its color LCD display provides clear and immediate identification of each detected gas, while built-in data logging records historical measurements that can be downloaded to a PC.

The rugged, water-resistant housing ensures reliable performance in demanding environments, and its high-sensitivity sensors deliver accurate, dependable detection even under challenging conditions.

DETECTED GASES

 Oxygen (O₂)

Carbon monoxide (CO)

Combustible gases (LEL)

 Hydrogen sulfide (H₂S)


GAS CONFIGURATION

Sensor specifications

Sensor	Range	Resolution	Response time
Oxygen (O ₂)	0 – 30% vol	0.1% vol	T90 < 15 s
Carbon monoxide (CO)	0 – 1999 ppm	1 ppm	T90 < 25 s
Combustible gases (CH ₄ /LEL)	0 – 100% LEL	0.1% LEL	T90 < 20 s
Hydrogen sulfide (H ₂ S)	0 – 200 ppm	0.1 ppm	T90 < 30 s

4 gases

 O₂ · CO · LEL · H₂S

Up to 10 h

Continuous operation

90 dB

Audible and visual alarm

Ex d IIC T3

Explosion-proof rating · CE

TECHNICAL SPECIFICATIONS

General specifications

Battery type	Rechargeable 3.7 V lithium battery
Battery life	Up to 10 hours (continuous operation)
Data download interface	USB
Display	Color LCD
Storage capacity	Up to 9,600 data points, downloadable to a PC
Audible alarm	90 dB
Alarm type	Audible and visual
Operating temperature	−20 °C to +50 °C
Relative humidity	15% – 95% (non-condensing)
Explosion-proof rating	Ex d IIC T3
Detection method	Diffusion
Housing	ABS with anti-slip silicone
Weight	500 g including charger
Certification	CE marked


SENSOR TECHNOLOGY POWERED BY

CALIBRATION AND USE

- ! Calibration is recommended after 6–12 months of use.
- ! Calibration must be performed by qualified personnel only.
- ! It is the user's responsibility to determine the suitability of this device for the intended application.
- ! Neither the manufacturer nor the seller shall be liable for any personal injury, loss or property damage resulting from improper use of this device.

