

IMR IX176 SINGLE GAS DETECTOR

The IX176 portable single gas detector can make continuous detection to combustible and toxic gases. It is suitable for combustible and toxic gas leakage detection in underground pipe or mines, and keeps the workers safe, prevents the facilities from being destroyed. The detector has a high-quality sensor, and uses natural diffusion as the method for detection. It has high sensitivity and reproducibility. The detector uses an embedded MCU controller, and is easy to operate. The shell has special high strength material and anti-slip rubber, and is water-proof, explosion-proof and dust-proof. The alarms are visual, and audible with vibration.

Memory for up to 2,000 readings.

Data transfer software and USB cable included.

Backlit LED display.



Gas Ranges:

Model	Range	L-Alarm Range	H-Alarm Range	L-Alarm	H-Alarm
IX176-CH4	0-100%LEL	10%LEL~5%LEL	25%LEL~80%LEL	20%LEL	50%LEL
IX176-C3H8	0-100%LEL	10%LEL~25%LEL	25%LEL~80%LEL	20%LEL	50%LEL
IX176-H2	0-100%LEL	10%LEL~25%LEL	25%LEL~80%LEL	20%LEL	50%LEL
IX176-H2	0-1000ppm	20ppm~150ppm	150ppm~500ppm	35ppm	250ppm
IX176-H2S	0-100ppm	5ppm~15ppm	15ppm~30ppm	10ppm	15ppm
IX176-CO low	0-1000ppm	25ppm~100ppm	100ppm~500ppm	35ppm	200ppm
IX176-CO high	0-2000ppm	25ppm~100ppm	100ppm~500ppm	35ppm	200ppm
IX176-O2	0-30% vol	16% vol~19.5% vol	22.5% vol~24% vol	19.5% vol	23.5% vol
IX176-C2H5OH	0-100%LEL	10%LEL~25%LEL	25%LEL~80%LEL	20%LEL	50%LEL
IX176-NH3	0-100ppm	20ppm~30ppm	30ppm~70ppm	25ppm	50ppm
IX176-CL2	0-20ppm	3ppm~10ppm	5ppm~15ppm	5ppm	10ppm
IX176-SO2	0-100ppm	1ppm~3ppm	3ppm~10ppm	2ppm	5ppm
IX176-NO	0-100ppm	5ppm~30ppm	30ppm~70ppm	2ppm	50ppm
IX176-NO2	0-20ppm	2ppm~5ppm	10ppm~20ppm	2ppm	10ppm
IX176-CO2	0-5000ppm				

IMR IX176 Single Gas Detector

- Gas sampling method: natural diffusion
- Gas sensor type: catalytic (for combustible gas) and electrochemical (for H₂S, CO, O₂, NH₃, CO₂, SO₂)
- Accuracy: ±5% FS
- Response time: T₉₀ < 30s
- Indication: LCD displays real-time and system status
- LED, audio and vibration alert for gas leakage, fault and low voltage
- Working environment: -20 to 50°C, 95% RH (no dew)
- Power source: 3.6V DC Rechargeable Li-on battery 1,800Ah
- Charging time: 4~6 hours
- Working time: ≥10h continuously (without alarming)
- Gas sensor life: 2 years
- Explosion-proof grade: Exia II CT3
- Protection grade: IP65
- Weight: 200g (with battery)
- Dimensions: 104 x 60.8 x 30.5mm
- Communication: RS232/USB
- Internal Memory – 2,000 records
- Data transfer software included
- USB cable included
- Charger 110-230V 50/60Hz included
- Clip for belt included
- Calibration cover included

Optional Items

- Sampling pump
- Gas sampling probe
- Carrying case

Sampling Pump:

Item#: IX176-Pump

Telescoping Gas Probe:

Probe Length: 100 – 1150mm

Hose Length: 1500mm

Item#: EX660 - Gas probe

Carrying Case:

Item#: IX176-case