

**IMR EX660 SMART SENSOR
GAS DETECTOR****MAIN FUNCTION AND FEATURES**

- SMART sensor module, easy for replacement and maintenance
- Intrinsically safe design
- Wide screen LCD with backlighting
- High / Low alarm adjustable
- Calibrating level adjustable for each calibration
- Combustible gas channel with high-concentration protection function
- Low-voltage alert
- Internal memory storage of measurements (100,000 records)
- Data upload to PC
- Audible, visual and vibration alarm method
- Self-test power on
- Self-diagnostic and self-correction function

IMR EX660 TECH SPECIFICATIONS

- Target gas: combustible gas, toxic gas, Oxygen, VOC
- Detecting method: Natural diffusion
- Response Time:
Semi-conductor, Catalytic, Thermal Conductivity $t_{90} < 30s$
Oxygen, Carbon Monoxide, Hydrogen Sulfide $t_{90} < 30s$
Other Sensors $t_{90} < 120s$
- Working Conditions:
Combustible Gas: $-40^{\circ}C \sim 70^{\circ}C$
Toxic Gas: $-20^{\circ}C \sim 50^{\circ}C$
Working humidity $\leq 95\%RH$ non-condensating
- Power Source: Lithium battery (DC3.7V 6600mAh)
- Charging time: 4 ~ 6hours
- Continuous working time:
 ≥ 30 hours (for combustible gas and toxic gas)
 ≥ 300 hours (for toxic gas under temperature of $20^{\circ}C$)
- USB connectivity for data transfer
- Explosion-proof grade: EXIA II CT4
- Ingress protection: IP65
- Dimensions: 168mm x 91mm x 45mm
- Weight: about 500g



IMR EX660 SMART Sensor gas detector

IMR EX660 ACCESSORIES

FLEXIBE GAS PROBE

- Used to collect gas samples in confined areas
- Telescoping probe
- Collection tube
- Probe length: 100 – 1150mm
- Hose length: 1500mm
- Item# EX660-Gas Probe



PUMP

- Use to collect gas samples in confined spaces
- Calibration
- Item# EX660-Calibration Cover



Carrying Case

- Holds all accessories including probe
- Item# EX660-Case

Gas	Detection Range	L-Alarm Point	H-Alarm Point	TWA	STEL
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1) Basic Unit with 4 sensors – select up to 2 more below

CH4/CO/H2S/O2	N/A	N/A	N/A	N/A	N/A
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2) Unit without sensors – select up to 6 below

Optional Sensors

Gas	Detection Range	L-Alarm Point	H-Alarm Point	TWA	STEL
C3H8	0-100% LEL	20% LEL	50% LEL	N/A	N/A
O2	0-30% vol.	19.5% vol.	23.5% vol.	N/A	N/A
H2S	0-100 ppm	10 ppm	15 ppm	10 ppm	15 ppm
CO	0-1000 ppm	35 ppm	200 ppm	35 ppm	200 ppm
CO	0-2000 ppm	35 ppm	200 ppm	35 ppm	200 ppm
NH3	0-100 ppm	25 ppm	50 ppm	25 ppm	35 ppm
CL2	0-20 ppm	5 ppm	10 ppm	0.5 ppm	1.0 ppm
SO2	0-100 ppm	2 ppm	5 ppm	2 ppm	5 ppm
CO2	0-5000 ppm	1500 ppm	2000 ppm	N/A	N/A
CH4	0-5% vol.	0.5% vol.	1% vol.	N/A	N/A
H2	0-100% LEL	20% LEL	50% LEL	N/A	N/A
H2	0-1000 ppm	35 ppm	250 ppm	N/A	N/A
NO	0-100 ppm	25 ppm	50 ppm	25 ppm	50 ppm
NO2	0-20 ppm	5 ppm	10 ppm	5 ppm	10 ppm
PID	0-100 ppm	PID Sensor Module for VOC			
PH3	0-20 ppm	5 ppm	10 ppm	5 ppm	10 ppm
HCN	0-100 ppm	5 ppm	10 ppm	5 ppm	10 ppm
HCI	0-20 ppm	5 ppm	10 ppm	5 ppm	10 ppm