

## IMR EX660 SMART Sensor gas detector

### MAIN FUNCTION AND FEATURES

- SMART sensor module, easy for replacement and maintenance
- Intrinsically safe design
- Wide screen LCD
- 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:  
 $\geq 30$  hours (for combustible gas and toxic gas)  
 $\geq 300$  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



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**IMR EX610 ACCESSORIES**

*FLEXIBE GAS PROBE*

- Use to collect gas samples in confined spaces
- 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



Gas	Detection Range	L-Alarm Point	H-Alarm Point	TWA (ppm)	STEL (ppm)
CH4/CO/H2S/O2	N/A	N/A	N/A	N/A	N/A
LEL	0-100% LEL	20% LEL	50% LEL	N/A	N/A
CO/H2S/O2	N/A	N/A	N/A	N/A	N/A
CH4	0-100% LEL	20% LEL	50% LEL	N/A	N/A
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		
MOS	0-1000 ppm		MOS 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