



SmartSense

Hydrogen sulphide portable detector

*For safety level detection of
hydrogen sulphide gas in air, gas
stream*

H₂S gas being highly toxic, need to be monitored for toxic limit in accordance to WHO, OSHAS, ILO norms in ambient air, working environment. Eg. Oil & Gas refinery, warehouse, petrochemical industry, welding area etc.

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HYDROGEN SULPHIDE DETECTOR

PGD Series

Model: PGD-H2S

Product Description:

PGD series is portable, palm size handheld, battery operated gas detector for detection and alarm of toxic gas H₂S in ambient air. It works on natural diffusion method. With additional sampling system, it can be used to extract and monitor toxic level in confined areas like pipeline, chambers etc.

It is equipped with large LCD display to readout, vibration, audible alarm with flasher, datalogger (optional).



Salient Features:

- Accurate detection
- Battery operated, portable
- Light weight
- Large LCD display
- Inbuilt vibration, alarm with flasher
- Data-logging facility
- Optional: sample suction facility

Suggested Applications:

- Warehouse
- Welding, heating area
- Petrochemical plants
- Gas reticulation system

Product Specifications:

Parameters	Specifications
Measuring parameter	Hydrogen Sulphide (H ₂ S) Gas
Sensor element	Electro-chemical sensor cell
Measuring range	0-50 ppm
Accuracy	± 2% FS
Resolution	0.1 ppm
Response time t ₉₀	< 15 sec
Cross – sensitivity	Background gas, poisoning (lead, sulphur vapour) protection
Output	RS 232, data logger
Alarm limit	User configurable (at time of order)
Power supply	6 V DV, rechargeable battery
Sampling system	Diffusion (default) Sample suction (optional)
Housing	High impact plastic case
Operating conditions	0-55°C / 10-90% Rh non-condensing
Size	119 (H) x 80 (L) x 25 (W) mm
Warranty	1 year