

DIGI SENS^{PRO} SERIES



GAS Analysis the Smarter way... High Precision & Durable Sensors.....

We are highly Focused on Customized Solution & Maintaining the highest quality standards with exceptional customer service.

DIGI SENSE^{PRO}

Digital Gas Sensor Hydrogen Sulphide H₂S: 10000 PPM

- Pre Calibrated
- Compact Design
- 3/5 mm gas line connector
- 3.3 VCC Supply Voltage
- 2 Years Sensor Life
- Low drift

Features:

Measuring Principle: 3 Electrode Electrochemical

Measurement Range: 0 – 10000 PPM Full Scale

Flow Rate : 0.5 - 0.8 LPM

Warm-up time : 60 sec.

Accuracy : ± 2% Full Scale

Specification:

- **Digital Resolution** : 1 PPM
- **Response Time** : < 6 Sec.@ 0.5 LPM
- **T90 (10 to 90 % FS)** : 35 Sec.@ 0.5 LPM
- **Repeatability** : < 2% of Signal
- **Long term stability (Zero)** : <2 % Signal loss/ month
- **Long term stability (Span):** <2 % Signal loss/ month



Electrical Specification:

- **Supply Voltage** : 3.3 VCC
- **Supply Current (Peak)** : < 30 mA @ 3.3 VCC
- **Digital Output Signal** : MODBus Protocol RS485 / UART
- **Calibration** : Zero and span

Environmental Conditions:

- **Operating Temperature** : 0 to + 50°C
- **Storage Temperature** : -20 to +60°C
- **Air Pressure** : Atmospheric $\pm 10\%$
- **Ambient Humidity** : 15-90 % Relative Humidity

Temp, Pressure Effects:

- **Temp. Dependence (Zero)** : < ± 2 PPM per °C
- **Temp. Dependence (Span)** : < ± 2 PPM per °C
- **Sampling** : Particle free and clean sample gas

Some Typical Applications:

- Discontinuous Measurement
- Biogas Analyzer
- Safety & Process Control

For other gases, please contact our sales team

