

Model 1000 H₂S

Hydrogen Sulfide Analyzer



Description

Model 1000-H₂S Analyzer is designed to provide continuous, accurate, real-time measurement of hydrogen sulfide gas concentrations in a wide variety of process gas streams. With new technology and design, the Process Analyzer has a measurement range of 0-500 ppm. All H₂S analyzers in the Model 1000 Series employ Detcon's 3-Electrode Electrochemical sensor element and feature a microprocessor-based signal-conditioning transmitter with local digital display, fault supervision, calibration mode indicator, 4-20mA, alarm relays and an RS-485 serial port. The lowest range for this unit is 0-10 ppm. The instrument package is rated for Non-Hazardous areas.

Features

- Continuous Measurement with Superior Uptime
- Ranges from 0-500 ppm
- Readily Field Replaceable Sensors
- Simple Operation and Field Calibration
- Standard Outputs: 4-20 mA, RS-485, 3 Relays
- Non-Hazardous Areas rated

Applications

- Gas Well Testing & Analysis
- Gas Well Production Sites
- Gas Treatment Plants
- Gas Transmission Custody Transfer Compliance



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Sensor Type

3-Electrode Electrochemical

Measurement Range

Low Range

0-10/20/50/100/150/250/500 ppm

Accuracy/Repeatability

±10% of reading
or ±2.5% of range
whichever is greater

Response/Clearing Time

T50 <30 seconds
T90 <1 minute
Max output to over-range gas: <10 seconds

Operating Temperature Range

-40°F to +122°F; -40°C to +50°C

Operating Pressure Requirements

Inlet: 10 ±2 psig
Vent: Atmospheric ±1 psig

Outputs

Linear 4-20 mA DC
RS-485 Modbus™
3 Relays (alarm 1, alarm 2, & fault)
Contacts rated 5 amps

Power Input

117/220 VAC
18-36 VDC

Electrical Classification

Non-Hazardous Areas

Warranty

Sensor: 6 months
Transmitter: 2 year

Analyzer Weight

80 lbs.

Shipping Weight

140 lbs

Dimensions

29" x 29" x 8"

Ordering Information

Teledyne Detcon requires that an application data sheet be completed and submitted to the engineering department prior to quotation and or order confirmation. This process assures that each customer's use of Teledyne Detcon Model Series 1000 analyzers is reviewed and approached with confidence that the product will perform as specified.

The analyzer application data sheet can be accessed by contacting Detcon-Sales@Teledyne.com via email.

Teledyne Gas & Flame Detection quality assurance programmes demand the continuous assessment and improvement of all our products. Information in this leaflet could thus change without notification and does not constitute a product specification. For more information, please contact us or your company representative



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