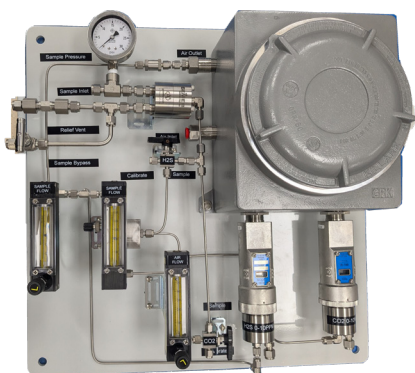


# Model 1000 H<sub>2</sub>S

Hydrogen Sulfide Analyzer



## Description

The Model 1000-H<sub>2</sub>S Analyzer is designed to provide continuous, accurate, real-time measurement of hydrogen sulfide gas concentrations in a wide variety of process gas streams. The analyzer employs a 3-Electrode Electrochemical sensor and features a microprocessor-based signal-conditioning transmitter with a local digital display, fault supervision, calibration mode, 4-20mA and an RS-485 output. The lowest range for this unit is 0-10 ppm. The instrument package is rated for hazardous areas.

## Features

- Continuous measurement with superior uptime
- Measurement ranges from 10 to 500 ppm
- Field replaceable sensors
- Simple operation and field calibration
- Standard outputs: 4-20 mA and RS-485

## Applications

- Gas well testing & analysis
- Gas well production sites
- Gas treatment plants
- Gas transmission custody transfer compliance



# Model 1000 H<sub>2</sub>S

## Hydrogen Sulfide Analyzer

### Technical Specifications

#### Sensor Type

3-Electrode Electrochemical

#### Measurement Range

0-10/25/50/100/500 ppm

#### Accuracy/Repeatability

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

#### Response/Clearing Time

T50 <30 seconds, T90 <1 minute

#### Operating Temperature Range

-4°F to +131°F; -20°C to +55°C

#### Operating Pressure Requirements

Inlet: 10 +2 psig, Vent: Atmospheric +1 psig

#### Outputs

Linear 4-20 mA DC, RS-485 Modbus™

#### Power Input

100-240VAC, 50-60hz, 0.5-1A max or 18-36VDC

#### Electrical Classification

Certified by Intertek for Class I Division 1 Groups BCD & Class I Zone 1 Group IIB+H2

#### Warranty

Sensor: 6 months, Transmitter: 2 years

#### Analyzer Weight

65 lbs

#### Shipping Weight

125 lbs

#### Dimensions

21" x 21" x 8"

### Ordering Information

Please complete and submit an application data sheet to our engineering department prior to quotation and/or order confirmation. This process ensures 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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