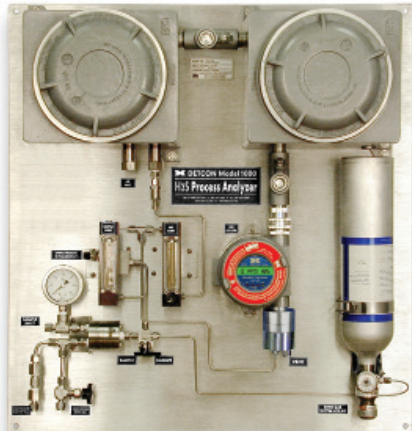
ProDetec
Measure . Prevent . Protect . Control

# Model 1000 $H^2S$

Hydrogen Sulfide Analyzer




## Description

Model 1000-$H_2S$ Analyzer is designed to provide continuous, accurate, real-time measurement of hydrogen sulfide gas concentrations in a wide variety of process gas streams. With newtechnology and design, the Process Analyzer has a measurement range of 0-500 ppm. All $H_2S$ 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 Calibraton
- 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

# Model 1000 $H^2S$
## Hydrogen Sulfide Analyzer

## Description

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"

TELEDYNE
GAS AND FLAME DETECTION
Everywhereyoulook™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