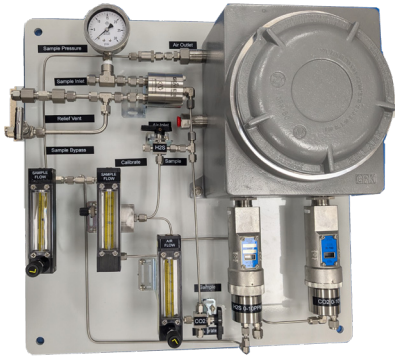




Model 1000 Series

Dual Channel CO₂ and H₂S Analyzer



Description

The Model 1000 Series Analyzer provides continuous, accurate, real-time measurement of gas concentrations in various process gas streams. It features a microprocessor-based signal-conditioning transmitter with a local digital display. It includes fault supervision, calibration mode indicator, 4-20mA outputs, and an RS-485 serial port, all housed in a robust package suitable for hazardous areas.

Features

- Continuous Measurement: Ensures superior uptime and reliability
- Field Replaceable Sensors: Easy and quick sensor replacement
- Simple Operation and Calibration: User-friendly interface for straightforward operation
- Standard Outputs: Includes 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 Series

Specifications

	CO ₂	H ₂ S
Sensor Type	Non-dispersive Infrared (NDIR)	3-Electrode Electrochemical
Measurement Range	0-1%, 0-3%, 0-5%, 0-10%, 0-25%, 0-100%	0-10/25/50/100/500 ppm
Accuracy/Repeatability	Greater of ±10% of reading or ±2.5% of range	±10% of reading or ±2.5% of range, whichever is greater
Response/Clearing Time	T50 <30 seconds, T90 <1 minute	T50 <30 seconds, T90 <1 minute
Operating Temperature Range	-4°F to +131°F; -20°C to +55°C	-4°F to +131°F; -20°C to +55°C
Operating Pressure Requirements	Inlet: 10 ±2 psig, Vent: Atmospheric ±1 psig	
Outputs	4-20 mA DC, RS-485 Modbus™	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	2 years for sensor and transmitter	Sensor: 6 months, Transmitter: 2 years
Analyzer Weight	65 lbs (Analyzer), 125 lbs (Shipping)	
Dimensions	21" x 21" x 8" (Inches)	

Ordering Information

To ensure the Teledyne Detcon Model 1000 Series Analyzer meets your specific needs, please complete an application data sheet prior to quotation or order confirmation. This process helps guarantee optimal performance in your application. For more information, contact: Email: Detcon-Sales@Teledyne.com

Teledyne Detcon 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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