DUAL H₂S + CO₂ Gas Analyzer (2-in-1)

Model 2605HC | Continuous Analyzer for Gas/LPG/LNG Samples

Product Features:
- LCD display with back light
- Easy automated Calibration
- Field Replaceable Sensor Assembly
- 3 Programmable Alarm Levels
- Dual Channel 4-20mA Analog Output
- RS-485 MODBUS RTU
- Optional Historical data logging
- NEMA 4X Enclosure

Applications
- Gas Processing Facilities
- Natural Gas Pipeline
- Chemical Plants
- Gas Well Testing & Analysis
- Landfills & Biogas

Product Description

Model 2605HC H₂S + CO₂ Gas Analyzer (two-in-one design) is designed for continuous measurement of Hydrogen Sulfide & Carbon Dioxide in Process Gas Streams. The unit is available in various low and high range of measurements. The unit is cost effective yet highly accurate and reliable.

The system uses latest in microprocessor and signal conditioning technology. On board interface module provides 4-20mA analog output, three (3) fully programmable alarm relays and RS-485 serial port. A large LCD display with back light and push button switches on the front panel are provided for easy user interface.

Also available are real time clock and extended flash memory for historical data logging. The analyzer is rated for Class I, Division 1, Groups B,C,D (explosion proof).
Typical Specifications

SENSOR TYPE
- H2S: Electrochemical
- CO2: Non-dispersive Infrared

MEASURING RANGES
- H2S: 0-25 ppm, 0-50 ppm, 0-100 ppm
- CO2: 0-0.5%, 0-5%, 0-10%, 0-50%
  Other high range H2S available

ACCURACY / REPEATABILITY
- ± 2 ppm or ± 10% of reading, whichever is greater

RESPONSE TIME
  Sample & Purge. Samples process gas every 3 minutes for accurate analysis. Purges the sampling system with fresh ambient air for next sample. Optional: Continuous flow method is also available. Sample and Purge method is recommended of accurate analysis of the sample gas. Typical Response: T50 < 25 seconds

ELECTRICAL CLASSIFICATION
  Explosion Proof Instrument Enclosures
  Class I, Division 1, Group B,C,D
  Nema 4X Cabinet for Environment protection. Stainless steel or Fiberglass.

OPERATING TEMPERATURE RANGE (ELECTRONICS)
-22°F to +149°F (-30°C to +65°C)

PROCESS GAS PHYSICAL PROPERTIES
  Liquid and Particle free
Gas Temperature:
10°F to +110°F (4°C to +50°C)
Inlet pressure:
Max. 2000 psig
Min. 10 psig

POWER INPUT
  Dual Channel Linear 4-20 mA output
  for H2S & CO2
  Fault: 0 mA
  Over Range: > 21 mA

POWER CONSUMPTION
< 4 Watt

DISPLAY AND INDICATORS
  4 Lines x 16 character LCD display with back light

ANALOG OUTPUT
  Dual Channel Linear 4-20 mA output
  for H2S & CO2
  Fault: 0 mA
  Over Range: > 21 mA

DIGITAL OUTPUT
  Half Duplex RS-485
  MODBUS RTU Protocol

INPUT/OUTPUT PROTECTION
  Transient over voltage suppressor
  Reverse Polarity protection
  EMI / RFI Immunity

DIMENSIONS
  Height: 36 inches (914 mm)
  Width: 24 inches (609 mm)
  Depth: 10 inches (254 mm)

WEIGHT
  60 Lbs (27 Kg)

ACCESSORIES
  Filters and liquid trap.
  Sampling Probe

CABLE ENTRY & WIRING
  3/4” NPT Female
  User connection box with plug-in terminals.
  Wire size 14 AWG (max)

WARRANTY
  Two years Electronics
  CO2 Sensor Assembly: 2 Years
  H2S Sensor Assembly: 6 months

Analytical Systems Keco provides design and application engineering assistance for the User’s analyzer requirements. For a quotation, please complete Analyzer Quote Request Form at www.LiquidGasAnalyzers.com/quote

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