

TOTAL HYDROCARBON ANALYZER



What is the Total Hydrocarbon Analyzer?

The Measuresoft Total Hydrocarbon Analyzer (THA) is the system of choice whenever accurate, reliable total hydrocarbon analysis is required.

The THA has a range from 10 ppm to 100% methane. The analyzer has a generous complement of analog and logic output capabilities.

The analyzer is based on a Flame Ionization Detector (FID). During the combustion process, organic or hydrocarbon-based gases in the sample are ionized, then detected by the instrument and reported as a concentration in units.

The instrument is calibrated to ensure accuracy of +/- 5%, and is stable to within +/- 1% of full scale.

Accurate And Reliable Analysis

Applications

Designed to continuously monitor the total hydrocarbon content of non-condensing gases in a variety of applications, including:

- Carbon bed breakthrough detection
- Well logging

Features

Flame Ionization Detector

19" rack-mountable

Calibrated output signal

Analog output ranges from 10 ppm - 100% full scale

Automatic FID ignition, with automatic shut-off of sample, fuel and combustion air

Data Output: 4-20Amp Analog, 0-10V Analog, and USB

Digital display

Analytical Specifications

Detector - Flame Ionization Detector (FID)

Ranges - Full-scale 10 ppm - 100% (Methane)

Repeatability - The instrument is calibrated to ensure accuracy of +/- 5% of signal

Drift - ±3% of full scale over 24 hours

Response Time - < 5 seconds to 90% of final reading

Calibration - Manual calibration

Support Gas - Hydrogen 35 cc/min, Air 175 cc/min (typical). Hydrocarbon content must be less than 1 ppm



Physical Specifications

Nominal Dimensions - 19" W x 21" D x 5.25" H

Weight - < 20 lb

Configuration - Bench-top or rack-mounted, 19" (48.3cm) panel

Connections - 1/4" tube fitting connectors

Operating Temperature - 32 to 104°F (0 to 40°C)

Operating Humidity - 0 - 95% (non-condensing)

Electrical Specifications

Power - 120-240 VAC, 50/60Hz, 3A

Display - 6.5" x 2" Digital display

Analog Output - 4-20mA isolated, 1-10V Analog, and USB



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