

Benefits

This small instrument combines the functionality of a total hydrocarbon analyzer (THA) with integrated CO₂, H₂S, and O₂ sensors. The THA uses a flame ionization detector (FID). This design provides key features for mud logging applications such as: ease of use, wide measuring range, quick response time, WITS data streaming. It makes a great tool for the mud logger.

Please remember that Surface Logging is more than just simple gas detection. Raw data from the rig must be interpreted and edited by a professional geologist in order to produce a valid mud log. The ability to edit data and display it in a meaningful form is what distinguishes a logging instrument from a simple rig-based gas detector.



Features

- Calibration error check
- Direct WITS serial output
- Flame out detection
- Portable
- Hydrogen shutoff safety valve
- Programmable alarm
- Detection of sample line blockage
- Web based UI for easy calibration
- Digital Mass Flow Controller for Hydrogen
- Digital Mass Flow Controller for Make Up Air

Specifications

- Dynamic range: 10ppm to 100% methane
- Detector: FID
- Resolution: 10ppm
- Rising response time: < 3 sec
- Report rate: 10 per sec
- Alarm: 80db
- Dimensions: 8"x5"x12"
- Weight: ~5 lb

Requirements

- Hydrogen: 20cc/min, 30PSI
- Air: 200cc/min, 70PSI (HC + moisture free)
- Sample: 100cc/min (moisture free)
- Power 110V/60Hz 75W

