

The FID-GC is a flame ionization detector designed for Surface Logging applications. This small, portable gas chromatograph has excellent peak separation and C₁ to C₅ detection in 45 seconds with a single column with options to detect C₆+. The FID is fully WITS compatible, has flame out detection, hydrogen shutoff safety valve, and exports CSV, TXT, and LAS files.

Please remember 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

- Analysis of C₁ – nC₅ in 45 seconds
- Simple calibration
- Direct WITS serial and UDP/TCP output
- Output CSV/LAS/TXT and WITS serial
- Flame out detection
- Portable
- Built in integration software
- Historical chromatograph records in a viewable review tab
- Hydrogen shutoff safety valve
- Detection of sample line blockage
- Web based user interface for easy calibration
- Detection of C₆ +
- Digital Mass Flow Controller for Hydrogen
- Digital Mass Flow Controller for Make Up Air



Specifications

- Dynamic range: 5ppm to 100% methane
- Detector: FID
- Resolution: 10ppm
- Oven Temperature (typical): 50 °C
- Dimensions: 8"x5"x12"
- Weight: ~11lbs

Requirements

- Google Chrome
- Hydrogen: 25 mL/min, 60 psi
- Air: 125 mL/min, 15 psi (HC + moisture free)
- Air (Valve): 60 psi (HC + moisture free)
- Sample: 100 mL/min (moisture free)
- Power 110V/60Hz 220V/50Hz


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