



HIGH TEMPERATURE TOTAL HYDROCARBON ANALYZER MODEL 5-100



The J.U.M. Engineering HFID Model 5-100 is a compact 19" rack mount or table top heated total hydrocarbon analyzer for high accuracy, sensitivity and stability for pressurized samples with conventional sample back pressure regulator..

The Model 5-100 is ideally suited for the detection of very low traces of hydrocarbons in pressurized high purity gases, including hydrogen (Option HYD 51). The 5-100 may also be well suited for the integration in low concentration CEM's and other analytical systems which already are equipped with a complete sampling train and have a master sample pump.

The Model 5-100 uses a hydrogen flame ionization detector (FID) in a heated oven to prevent the loss of high molecular weight hydrocarbons and to provide long term stability and reliable performance in the analysis of low trace concentration levels of hydrocarbon contaminants in high purity gases, air and other gases, including hydrogen.

Except the sample back pressure regulator, all sample wetted components are integrated into the heated FID oven.

Again: an option for the measurement of very low trace hydrocarbon concentrations in high purity gases is available.

Features

- Heated oven FID, low priced, very economical
- Low maintenance
- Excellent long term stability
- Conventional non-heated sample back pressure regulator (BPR)
- Slim line design
- Automatic flame out indicator with automatic fuel shut off valve
- Fast response within 1 second
- Low fuel and air consumption
- Very selective
- All heated components, except BPR
- Microprocessor PID-type temperature controller for FID-oven

Applications

- Detection of low trace hydrocarbon levels in high purity gases as CO₂, O₂, Ar, N₂, He and others
- Inspection of high purity plumbing systems used in the semi conductor industry
- Solvent recovery monitor of carbon bed break through
- Catalytic converter testing
- Carbon adsorption regeneration control
- Hydrocarbon contamination monitoring in air and other gases
- Carbon adsorption regeneration control
- Clean room applications
- Monitoring for VOC and/or Oil vapor break through after compressor air purifying systems

