

Model 20 Hydrocarbon Analyzer - FID Single Channel, Oven Heated Total Hydrocarbon Analyzer

The VIG Industries, Inc. Model 20 is a [microprocessor based](#), [oven heated](#) total hydrocarbon analyzer designed for high accuracy, sensitivity and stability. The Model 20 is designed to continuously measure one point.

The Model 20 utilizes a [flame ionization detector \(FID\)](#). The FID, sample filter, all sample lines, [solenoid valves](#), pump head, capillaries, and other components that come in contact with the sample are maintained in a temperature-controlled heated oven to prevent condensation, and to provide repeatable, reliable performance in the analysis of a wide varieties of hydrocarbon concentrations in gaseous mixtures or in ambient air.



Applications

Compliance Monitoring - [US EPA Method 25A](#)

Process Monitoring - Continuous monitoring and alarm or control of:

- Process gas streams utilizing organic solvents
- Crude oil
- Other chemicals containing hydrocarbons

Efficiency Monitoring - Monitoring effluent of volatile organic compound (VOC) reduction equipment for:

- Environmental compliance
- Efficiency control of incinerators (Thermal or catalytic)
- Scrubbers
- Carbon absorbers
- Other abatement equipment

Safety Monitoring - Lower explosive limit (LEL) monitoring and/or control of:

- Ovens/dryers
- Fugitive emissions monitoring
- Personnel work area monitoring
- Leak detection of process equipment or solvent storage areas.

Stack Monitoring