

Total Hydrocarbon Analyzer (Flame Ionization Detector RS 53-T)



Features:

- Flame Ionization Detector (FID)
- Continuous Measurement Mode
- TUV-approved (meets EPA-approval)
- Heated Analytical Compartment (adjustable up to 200 °C / 473 K)
- Flame-Out Indication
- Automatic Hydrogen Cut-Off
- Self-Monitoring Capabilities
- Auto-Range / Manual Range
- Internal Supply of Zero-Gas and Combustion-Air
- Integrated Fuel Gas Cylinder
- Integrated Calibration Gas Cylinder
- Hydrogen or Hydrogen/Helium Fuel Selector
- Easy Handling
- Portable (approx. 20 kg)
- Option: ppb-Measurement Ranges
- Option: Sample Lines
- Option: Filters
- Option: USB-Interface

Applications:

- Emission Monitoring
- Optimizing Processes
- Combustion Control

Option: Filling Adaptors

Threshold Limit Values (TLV) - Measurements

Specifications:(Reference Quantity : Full Range Deflection = FRD)

Ranges	<ul style="list-style-type: none"> • 0-10 ppm Propane • 0-100 ppm Propane • 0-1.000 ppm Propane • 0-10.000 ppm Propane • 0-100.000 ppm Propane
Linearity	+/- 2 % FRD (up to Range 4)
Oxygen Cross Sensitivity	< +/- 2 % FRD
Limit of Detection	< 2 % FRD
Zero Drift	< 2 % FRD/week
Span Drift	< 4 % FRD/week
Response Time	approx. 1-2 s (without sample line)
Sample Flow Rate	approx. 90 l/h
Signal Output	0-10 V or 0/4-20 mA
Status Contacts	<ul style="list-style-type: none"> • Concentration-Alarm • Range Identification • Flame Out Indication • Sample Flow Alarm
Dimensions	360 x 200 x 500 mm (WxHxD)
Weight	approx. 20 kg
Ambient Temperature	+5 ... +35 °C
Main Power	230 V / 50 Hz or 115 V / 60(50) Hz / 450 Watts