

Total Hydrocarbon Analyzer (Flame Ionization Detector)

Model RS 53-T

Front View**Rear View**

Applications:

- Emission Monitoring
 - Optimizing Processes
 - Combustion Control
 - Threshold Limit Values (TLV) - Measurements
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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
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- **Easy Handling**
- **Portable (approx. 20 kg)**
- **Option: ppb-Measurement Ranges**
- **Option: Sample Lines**
- **Option: Filters**
- **Option: USB based Serial PC-Interface**
- **Option: Filling Adaptors**

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