_aserGas™ III Portable HF Analyzer





NEO Monitors LaserGas™ is using Tunable Laser Absorption Spectroscopy (TLAS) i.e. a non-contact optical measurement method employing solid-state laser sources.

The portable analyzer is compact, lightweight, and battery powered for HF measurement on the spot. With onboard pump and connections for Teflon tubing the target gas is continuously transferred into the internal measurement cell. The instrument 's low power design gives long operating time on each battery cycle.

Features	Applications	Customer benefits
 Most advanced LaserGas[™] technology available (3rd generation) Portable (low weight) Low power usage <10 Watt Sub ppm HF detection No interference from other gases Stable calibration No zero drift 	 The LaserGas[™] III Portable HF Analyzer is the solution for reliable detection of short-term HF concentrations, wherever diffuse emissions occur representing a risk to the work force. Focused applications are: Aluminium smelters: Worker protectio-during active work Aluminium smelters: Mapping plant emissions Refinery alkylation plants: Worker safety 	 Flexible unit designed for measurement on the spot Allows fast and reliable operation to measure sub ppm and several hundred ppm HF concentrations Regular maintenance not required No cross interference from other gases Short-term HF peaks are uncovered with the LaserGas[™] III portable Easy to carry Battery operated for several hours Internal storage of data

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Technical Data

Specifications Detection limit (HF)*: Repeatability:Repeatability:StorageEnvironmental condition Operating temperature: Storage temperature: Protection classificationOutputs Analog output (3):Digital output: Ratings Power consumption: 4 - 20 mA output:Battery:	-20 °C to +55 °C -20 °C to +55 °C	Installation and Operation Sample gas flow: Sample inlet pressure: Sample inlet temperature Calibration: Maintenance Filter change Safety Laser class:	6 mm SMC one touch fittings (series KQG) 3 l/min +/- 50 mbar G / 0.8 PSIG (higher pressures possible with different pump)	110 x 120 x 250 mm (4.3" x 4.7" x 9.8") 2.3 kg (5 lbs) 2.7" colour LCD panel Teflon coated Aluminium s are specified as the 95% 1 m optical path and gas = 25 °C/1 bar abs,
* NFO Monitors reserve the r	ight to change			

*NEO Monitors reserve the right to change specifications without prior notice

Your local distributor:



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