



HG-80-GPS

Portable Mercury Monitor

Model: HG-80-GPS

Features

- Real-Time Mercury Detection
- Built-in Rechargeable Battery Data Logger
- No Sample Preparation Required
- Spectrometry with Background Correction
- Air Detection
- Color Touch-screen
- Built-in GPS

Application

Mercury is toxic to breathe or ingest. The HG-80-GPS is perfect for facility workplace monitoring, industrial hygiene, hazardous waste sites, mercury contamination source survey and investigation, exhaust and duct gas monitoring, emergency response to mercury spill and cleanup.

Description

- The **HG-80-GPS** is lightweight and perfect for: monitoring mercury for occupational health and industrial hygiene in diverse environments; environmental inspection and monitoring; emergency response to mercury spills.
- With a built-in air pump provides real-time monitoring and detection.
- The **HG-80-GPS** detector utilizes an attachment for liquid monitoring.
- Built-in internal memory data logging and a USB data acquisition port
- A shoulder strap or waist-belt held unit for hands free mobile use and has foldable legs for benchtop use.
- A built-in GPS to record measurement location.
- A color touch screen controlled by the user
- An audio/visual alarm (user settable).



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Portable Mercury Monitor

Model: HG-80-GPS

Specifications

| | |
|-----------------------------|---|
| Light Source: | Low-pressure mercury discharge lamp |
| Process: | Cold Vapor Absorption Spectrometry (CVAAS) |
| Detector: | Semiconductor detector with a 254 nm band-pass filter |
| Detection Limit: | 0.1 µg/Nm ³ (Normal) |
| Measurement Range: | 0-2000 µg/Nm ³ |
| Flow Rate: | 1 L/m |
| Accuracy: | RSD 3% 2 µg/Nm ³ or higher without any option |
| Correction: | Automatic Zero Correction |
| Resolution: | Benchtop Mode: 0.1 µg/Nm ³ (~999.9) Mobile Mode: 1 µg/Nm ³ |
| Display: | 4.3 inch color LCD, Touchscreen |
| Onscreen Data: | Values: Instant, average, maximum, trend graph (for specified time scale), level gauge (linked with alarm setting) |
| Data Logging: | CSV files or internal 4GB memory (up to 20,000 hours) |
| Data Download: | USB port |
| Alarm: | Audible / Visual (User settable) |
| Other Functions: | Temperature and pressure compensation, GPS recording |
| Power: | Rechargeable battery (5.5 hours continuous operation) |
| Environment: | Temperature: 32° – 113° F (0°-45° C); RH: 10-80% (No dew condensation) |
| Dimensions: | 8" W x 4.5" D x 5" H (207mm W x 115mm D x 140mm H) |
| Weight with Battery: | 3 lbs; (1.6kg) |
| Standard: | Probe, probe filter (x1), battery (x1), battery charger, shoulder/waist belt, USB Flash drive |
| Options: | Carrying case AQUA Kit for reducing vaporization measurement includes software Hi-Lutor for high concentration measurement: 0-20,000 µg/Nm ³ Probe expandable: 9" to 31.5" (250mm to 800mm) CK: Calibration Kit Case Color: Green, Blue, Orange |



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