

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



HG-80-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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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 $\mu\text{g}/\text{Nm}^3$ (Normal)
Measurement Range:	0-2000 $\mu\text{g}/\text{Nm}^3$
Flow Rate:	1 L/m
Accuracy:	RSD 3% 2 $\mu\text{g}/\text{Nm}^3$ or higher without any option
Correction:	Automatic Zero Correction
Resolution:	Benchtop Mode: 0.1 $\mu\text{g}/\text{Nm}^3$ (~999.9) Mobile Mode: 1 $\mu\text{g}/\text{Nm}^3$
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 $\mu\text{g}/\text{Nm}^3$ Probe expandable: 9" to 31.5" (250mm to 800mm) CK: Calibration Kit Case Color: Green, Blue, Orange



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