



HVX501

HANDHELD VOC METER/MONITOR

HalTech introduces a brand new designed HVX501 handheld volatile organic compound (VOC) meter and it can easily take a quick and accurate measurement of VOC levels. Featuring the best-available-on-the-market photo-ionization-detector (PID) sensor technology, the HVX501 can detect a wide variety of organic compounds and some inorganic gases (a few hundreds of chemicals) in ambient air. Intrinsically safe PID sensor ionizes chemicals in the gas sample whose ionization potential less than the UV lamp energy and at least 200 times more sensitive to VOCs than conventional Heated Metal Oxide Sensors (HMOS). It can be utilized in a variety of environmental and safety applications for industrial, commercial, and residential markets.

The HVX501, with a data logging ability, has selections of wide measuring ranges, high sensitivity and high resolution of sensors (0-2ppm with 1ppb sensitivity and up to 2000ppm range) for continuous monitoring and research applications. With a built-in pump capable of point-to-sample capability, it can trace the origin of sources and offers a fast response to ambient changes in VOC levels with long-term stability and durability.

Exceptional stability and patented self-calibration algorithm allow very long intervals between calibration intervals. It is fully compatible to Window XP/7/8.

FEATURES

- Reliable PID sensor
- User selectable over hundred target gas
- Fast response
- Direct real time digital reading
- Large data storage capacity
- High-speed USB and free data download software
- Auto backlight
- Simple and easy self-calibration and correction
- Audible excess limit warning
- Rechargeable Li-ion battery
- Optional digital temperature and humidity sensor probe
- CE certified

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SPECIFICATIONS

Target Gas	User selectable over a hundred of VOCs in ambient air
Detection Range	0~ 2.000 ppm 0 ~ 20.00 ppm, 0 ~ 200.0 ppm or 0 ~ 2000.0 ppm (Isobutylene standard) (special custom request for other range possible)
Technology	Photo ionization detection
UV Lamp Energy	10.6 eV (9.6 eV for special custom request)
Lamp lifetime	> 6000 hours
Response Time	< 6 seconds (T90)
Sensitivity	1ppb for 2ppm,0.01ppm for 20ppm, 0.025ppm for 200ppm and 0.05ppm for 2000ppm
Humidity Effect	< 1 ppm @ 90% RH
Onboard Filter	To remove particles and liquids
Sampling Method	Flow through and point sampling with a built-in pump
Memory	Up to 500 sets of data
Interface	USB for data down loading
Operating Conditions	32°F to 122°F (0°C to 40°C), < 90%RH (non-condensing), 950 - 10,000 mbar
Power	Rechargeable Lithium ion battery (3.7VDC/1250mAh); AC adapter 5VDC/1A
Dimensions	80 (W) × 42 (D) × 158 (H) mm
Weight	About 230 grams

APPLICATIONS

- Industrial hygiene & safety monitoring
- Confined space entry
- Fugitive emission
- Soil contamination and remediation
- Hazmat sites and spills
- Solvent vapor monitoring for clean and degas processes
- Low concentration leak detection
- EPA Method 21 and emissions monitoring
- Arson investigation