V-PRO
Portable VOCs Gas Detector

DESCRIPTION

V-Pro is a compact, portable multi-gas detector designed for hazardous environments with volatile organic compounds (VOCs) and other gases. Featuring an integrated pump, it efficiently samples gases in confined spaces and hard-to-reach areas. The device provides real-time VOC readings on its LCD screen and alerts users through audible alarms, LED indicators, and vibration when gas levels exceed safety limits. With wireless settings and data management via Senko IR-LINK or Short-range wireless communication, the V-Pro ensures ease of use and reliable performance.

KEY FEATURES

- **Real-time VOC Detection**: Monitors VOC levels with immediate feedback on the LCD screen for quick response.
- **Built-in Pump**: Efficient gas sampling, ideal for confined spaces and hard-to-reach areas.
- **Wireless and IR Connectivity**: Supports wireless settings and data download via Senko IR-LINK or Short-range wireless communication.
- **Durability**: IP67-rated case offers water and dust resistance for reliable performance in harsh environments.
- **Extended Battery Life**: Up to 60 hours of operation on a single charge.
- **High-Performance Alarms**: Audible, visible, and vibrating alarms for hazardous situations.
- **Event Logging**: Logs up to 30 events for easy tracking and record-keeping.
- **User-Friendly Interface**: Simple four-button operation for quick access to data and settings.
- **Explosion-proof Certification**: Certified for safe use in hazardous environments like oil & gas, chemical, and mining.

CERTIFICATION

IECEx	Ex ia IIC T4 Ga Certified for use in explosive atmospheres in industrial environments.
ATEX	II 1 G Ex ia IIC T4 Ga ATEX certified for safe operation in hazardous gas environments.
CSA/UL	Class I, Zone 0, AEx ia IIC T4 Ga Class I, Division 1, Groups A, B, C, D, T4 Ex ia IIC T4 Ga -20 ºC < Ta < +50 ºC
CNEx	Ex ia IIC T4 Ga

* Please contact SENKO for other certification.

ACCESSORIES

IR Link Communication
Connects to the computer in order to program configuration and download data log

SPECIFICATION

Model	V PRO
Measuring Target	VOCs (Volatile Organic Compounds) – Designed for detecting a wide range of VOCs in industrial and hazardous environments.
Sampling Type	Built-in pump sampling for accurate and reliable detection in various conditions.
Housing Material	Durable polycarbonate with rubberized exterior for enhanced impact resistance.
Dimensions	3.03 (W) x 5.75 (H) x 1.69 (D) inch 77 (W) x 146 (H) x 43 (D) mm
Weight	14.11oz (400g), balance between portability and durability for field use.
Power Supply	3.7VDC Lithium-ion rechargeable battery (4000mAh) for long-lasting use.
Battery Life	Up to 60 hours of continuous operation under typical usage.
Operating Temperature	-4°F to +122°F (-20°C to +50°C) allowing the device to function across a wide range of environmental conditions.
Operating Humidity	10% to 90% RH (non-condensing) ensuring optimal performance in various environmental conditions.
Pressure Range	80 KPa to 120 KPa, ensuring stable operation at standard atmospheric pressures.
Event Log	Stores the 30 most recent alarm events for tracking and audits.
Ingress Protection	IP67-rated
Alarm Mechanisms	**Visual**: LCD display with gas concentration and LED indicators. **Audible**: High-decibel buzzer alerts for immediate recognition of critical gas levels. **Vibration**: Integrated vibratory alert to notify users in noisy environments or when visual and audible alerts may be insufficient.
Display	LCD with real-time gas concentration, alarms, and diagnostics.
Control Interface	Four operational keys for easy access to settings and data.
Calibration	**Zero Calibration**: Using an activated carbon filter for accuracy. **Span Calibration**: Using standard calibration gas for precise readings.
Data Logging	Logs data, events, calibration, and bump tests, downloadable via SENKO IR LINK or short-range wireless communication.
Components	Hard Case, Vpro, Adaptor, Syringe filter, Activated carbon filter, Mini driver
Warranty	Comprehensive 2-year warranty from the date of purchase, offering peace of mind regarding product reliability and performance. Please note that the warranty excludes the PID sensor.

SENSOR SPECIFICATIONS

Gas	Measuring Range	Resolution	Low Alarm	High Alarm	Lamp Type
VOCs(ppm)	0 ~ 4,000 ppm	0.1 ppm	25 ppm	100 ppm	10.6eV PID Lamp
VOCs(ppb)	0 ~ 40 ppm	1 ppb	-	-	10.6eV PID Lamp

* **Note**: For PID lamps other than the **10.6eV** model, please contact **SENKO** for further details.