

V-PRO Benzene

Portable Benzene Gas Detector



DESCRIPTION

V-PRO Benzene is a portable detector designed for precise Benzene monitoring in hazardous environments. Featuring a dedicated Benzene gas tube and an integrated pump for efficient sampling in confined spaces, it provides real-time data on the LCD screen. Alerts are given through audible, visual, and vibratory alarms when gas levels exceed safety thresholds. With Senko IR-LINK or Short-range wireless communication, it offers seamless data management and easy operation.

KEY FEATURES

- **Real-time Benzene Detection:** Continuously monitors Benzene levels with immediate LCD feedback for rapid response.
- **Gas Tube for Benzene Detection:** Specifically designed for Benzene measurement, ensuring precise and reliable detection.
- **Easy Benzene Tube Replacement:** Easily replaceable Benzene tube for quick maintenance without tools or downtime.
- **Built-in Pump:** Integrated pump for efficient sampling, ideal for confined spaces and hard-to-reach areas.
- **Wireless and IR Connectivity:** Supports wireless adjustments and data transfer via Senko IR-LINK or Short-range wireless communication.
- **Durability:** IP68-rated case provides superior protection against dust and water, ensuring reliable performance in harsh environments.
- **Extended Battery Life:** Up to 60 hours of continuous operation on a single charge.
- **High-Performance Alarms:** Audible, visual, and vibratory alarms for immediate alerts when Benzene levels exceed safe thresholds.
- **Event Logging:** Logs up to 30 events for easy tracking and safety audits.
- **User-Friendly Interface:** Four-button operation for quick access to settings, gas data, and alarms.
- **Explosion-proof Certification:** Certified for use in oil & gas, chemical, and mining environments, ensuring safe operation in explosive atmospheres.
- **ACGIH Compliance Ready:** Supports ultra-low 0.02 ppm alarm setting for monitoring according to ACGIH Benzene exposure limits.

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.
INMETRO	Ex ia IIC T4 Ga (-20 °C ≤ Ta ≤ +50 °C)
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 °C < Ta < +50 °C
PESO	Ex ia IIC T4 Ga
CNEx	Ex ia IIC T4 Ga
Compliance	CE, FCC, RCM

* Please contact SENKO for other certification.

ACCESSORIES



IR Link Communication

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



Benzene Pre-Filter

Removes interfering gases for accurate benzene detection



PID Pre-Filter Tubes

Selectively measure Benzene by filtering out other VOCs



Tubes Opener

Tool used to safely and easily open Benzene PID Pre-Filter tubes

SPECIFICATION

Model	V-PRO Benzene
Measuring Target	Benzene - Specifically designed for accurate detection of Benzene 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.
Power Supply	3.7VDC Lithium-ion rechargeable battery (4,400mAh) for long-lasting performance.
Battery Life	Provides up to 60 hours of continuous operation on a single charge, ideal for long shifts or remote operations.
Operating Temperature	-4°F to +122°F (-20°C to +50°C) allowing for use in 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	IP68-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 screen displaying Benzene concentration, alarm thresholds, and diagnostic warnings.
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	Stores logs for data, events, calibration, and bump tests, downloadable via SENKO IR LINK or short-range wireless communication.
Components	Hard Case, V-PRO, Test Report, User Manual, Charging Adaptor, Accessory Kits(Sensor Removal Tool, Syringe Filter, Filter Elements x5, Gas Inlet/Outlet Fitting, Orings, Mini Driver, Rubber Hose), Carbon Filter, Tubing , Quick Connector, Benzene pre-filter holder, Benzene Pre-filters, Tube Opener
Warranty	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
Benzene	0 ~ 54 ppm 0 ~ 100 ppm (Soon)	10 ppb	-	-	10.0eV PID Lamp