

Air Quality Monitor

SafetyPalm



Designed to operate in environments requiring reliable monitoring, the SafetyPalm is industry's most versatile portable air quality monitoring tool. Ergonomically designed and user-friendly, the SafetyPalm delivers peak performance second to none.

The SafetyPalm simultaneously monitors up to four parameters: carbon monoxide (CO), carbon dioxide (CO₂), relative humidity (RH) and temperature (T). The instrument displays instantaneous readings on the easy-to-read LCD display. The SafetyPalm is available with datalogging capacity with real-time clock that calculates and records STEL and TWA readings (more than 77 days of data stored). Additional features include: audible and visual alarms, easy one-button calibration and peak reading memory. A full line of accessories makes the instrument even more versatile.

Benefits:

- Simultaneous monitoring of up to four parameters: (CO), (CO₂), (RH) and temperature (T)
- More than 77 days of datalogging capacity (optional)
- Peak reading on command: STEL and TWA
- Audible, visual and vibrating alarms
- Comprehensive display of data
- Menu-driven operation
- One-button auto calibration
- Infrared port
- Proven sensing technology
- Compact and lightweight
- Full array of accessories

Order Number:

SPIAQ4	Portable IAQ Monitor T, RH, CO, CO ₂
SPIAQ4-DL	Portable IAQ Monitor T, RH, CO, CO ₂ , Datalogging, USB Interface and Software
SPIAQ4-CC	Portable IAQ Monitor T, RH, CO, CO ₂ , Carrying Case
SPIAQ4-DLCC	Portable IAQ Monitor T, RH, CO, CO ₂ , Datalogging, USB Interface, Software and Carrying Case
SPIAQ3	Portable IAQ Monitor T, RH, CO ₂
SPIAQ3-DL	Portable IAQ Monitor T, RH, CO ₂ , Datalogging, USB Interface and Software
SPIAQ3-CC	Portable IAQ Monitor T, RH, CO ₂ , Carrying Case
SPIAQ3-DLCC	Portable IAQ Monitor T, RH, CO ₂ , Datalogging, USB Interface, Software and Carrying Case
SPIAQ2	Portable IAQ Monitor CO, CO ₂
SPIAQ2-DL	Portable IAQ Monitor CO, CO ₂ , Datalogging, USB Interface and Software
SPIAQ2-CC	Portable IAQ Monitor CO, CO ₂ , Carrying Case
SPIAQ2-DLCC	Portable IAQ Monitor CO, CO ₂ , Datalogging, USB Interface, Software and Carrying Case
SPIAQ1	Portable IAQ Monitor CO ₂
SPIAQ1-DL	Portable IAQ Monitor CO ₂ , Datalogging, USB Interface and Software
SPIAQ1-CC	Portable IAQ Monitor CO ₂ , Carrying Case
SPIAQ1-DLCC	Portable IAQ Monitor CO ₂ , Datalogging, USB Interface, Software and Carrying Case

Options:

DS	Deluxe Software	IAQ-BC1	Battery Charger
IAQ-PAU1	Universal Power Adapter	IAQ-PA-1	Power Adapter
IAQ-BAT	LI-ION Battery		



Protecting your health and your environment.

SafetyPalm

Air Quality Monitor

Simultaneous four (4) parameter monitoring, 77 days of logging capacity and proven sensing technology

The SafetyPalm simultaneously and continuously monitors up to four parameters: carbon monoxide (CO), carbon dioxide (CO₂), relative humidity (RH) and temperature (T). Instantaneous readings are displayed on a large, alphanumeric LCD.

Compact and lightweight, the SafetyPalm is loaded with practical features. A real-time clock calculates and records STEL and TWA readings. Additional features include audible, visual and vibrator alarms, one-button calibration and peak reading memory.

A minimum 77-day datalogging capacity is complemented by a user-friendly Windows-based data management software, which provides direct access to the SafetyPalm and enables data downloading with a few clicks of a mouse.

Once the data is downloaded, the data management software analyzes the information and compiles it in an easy-to-read format. All vital statistics are sorted by date and time. The deluxe software enables interactive graphing and trending through powerful charting tools.



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SPECIFICATIONS

DETECTOR: Four Parameter Detector

Gas Detected	Range	Accuracy
CO	0-250 ppm	3 %
CO ₂	0-5,000 ppm or 0-10,000 ppm (user defined at time of purchase)	3 %
Temperature	23 °F - 122 °F -5 °C - 50 °C	0.2 °F 0.1 °C
Relative humidity	0 - 95 %	2 %

GENERAL SPECIFICATIONS:

Power Supply: Vibrating lithium ion battery
Power Consumption: 16 hours fully charged
Sensing Technologies: Electrochemical (CO)
Infrared (CO₂)
RTD (Temperature)
Capacitive polymer (relative humidity)
Humidity Range: 0-95 % non-condensing
Operating Temperature: 23 °F to 122 °F / -5 °C to 50 °C
Tests: Tests on start-up
Self-test of sensors, battery and memory
Unit continually monitors battery

SAMPLING METHOD: Diffusion

LCD DISPLAY: Parameter displayed, unit of measurement, data transfer status, gas concentration, memory capacity, battery status
Alarm Setpoints: Fully adjustable for CO and CO₂
TWA and STEL: Displayed on demand

INDICATORS AND ALARMS:

Audible Alarm: Typically 85 dB at 4 in. / 10 cm
Visual Alarm: Three LED alarms
Vibrating Alarm: Internal
Other: Low battery warning
2 levels of alarm for CO and CO₂

DATALOGGING: Stores real-time information and reading values
Internal memory: 4 Mb (2.5 million total samples)

PHYSICAL: Size: 3.4 x 6.5 x 1.7 in. / 8.5 x 16.5 x 4.3 cm
Weight: 14.65 oz. / 415 g

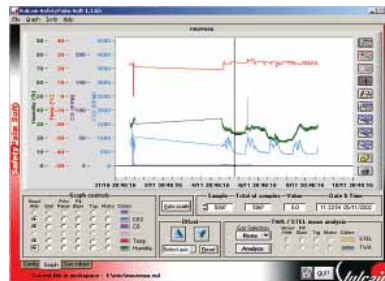
WARRANTY: 1 year

DUE TO ONGOING RESEARCH AND PRODUCT IMPROVEMENT, SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

Ratings and certifications



EMC - Directive 89/336/EEC



Deluxe software

- 1 Infrared Port
- 2 Wide-angled Visual Alarm
- 3 Calibration Port
- 4 Pushbutton Keypad
- 5 85 dB Audible Alarm
- 6 Large LCD Display
- 7 Built-in Temperature and Humidity Probe

