

Monitors PM10 and PM2.5 particulate from wildfire smoke



Overview

The Aeroqual Cal/OSHA Wildfire Smoke Monitoring Kit is used to monitor the concentration of airborne particles emitted by wildfire smoke – in accordance with Cal/OSHA section 5141.1, Protection from Wildfire Smoke or other similar regulations.

Applications

- Monitoring smoke levels during wildfires.
- Personal exposure checks.
- Occupational health and safety compliance.
- Checking wildfire air pollution “hotspots.”

Features

- Fits comfortably in the hand.
- Weighs about 1 pound.
- Battery provides all day operation.
- Enhanced accuracy due to active fan intake.
- Measures PM10 and PM2.5 simultaneously
- Sensor heads available for 27 other pollutants.

Specifications

The Wildfire Smoke Monitoring Kit includes a Series 300 monitor, a PM10 / PM2.5 particulate sensor, a combined temperature and humidity sensor, a lithium battery with charger, and a carrying case.

Sensor: Laser particle counter with active fan.

Measurement Units: mg/m³ | humidity: % | temperature °C or °F.

Reading Functions: Instant, minimum, maximum, average.

Range: 0.001-1.000 mg /m³.

Resolution: 0.001 mg /m³.

Response Time: 5 sec.

Calibrated Accuracy: $\pm(0.005 \text{ mg/m}^3 + 15\% \text{ of reading})$.

Temperature Rated: 0 to 40 °C:

Battery: Removable Lithium-Ion, 12Vdc, 2700 mAh. Extra batteries are available.

Size: 7.6 x 4.7 x 2.1 inches (195 x 122 x 54 mm).

Weight: 1 lb (460g) including sensor head and battery.