

CEL712 Microdust Pro - Real Time Dust Monitor



Features

- Real-time Dust Levels for Instant Assessments
- Very wide range 0.001 mg/m³ to 250 g/m³, Auto Ranging
- Total, Respirable, PM2.5 or PM10 with optional adapter
- Removable Sampling Probe
- Rugged Design
- Software Included

Applications

- Workplace dust levels
- Dust and aerosol risk assessments
- Process monitoring
- Air filtration efficiency testing
- Environmental dust assessments
- Construction & demolition boundary monitoring

Overview

The CEL712 Microdust Pro provides real-time measurement and display of airborne dust, fumes and aerosols. This data logging meter is very quick and easy to use and, unlike most dust monitors, provides instant results.

Real-Time Meter

As the CEL712 is a real-time dust monitor, it is ideal for spot checks and walk-through surveys. You can instantly see where high dust levels exist. The dust levels can be displayed numerically or graphically.

On Site Calibration

The CEL712 is factory calibrated using methods traceable to isokinetic techniques, conducted in a wind tunnel using ISO12103-1 A2 fine dust (Arizona road dust equivalent).

Each probe is supplied with a unique Calibration Insert that creates a known optical scattering effect in the probe's sampling chamber. This fixed reference can be used to confirm the original factory calibration point.

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Specifications

Dust Measurement

Measuring range	0.001 mg/m ³ - 250,000 mg/m ³
Zero stability	< 2 ug/m ³
Resolution	0.001 mg/m ³

Power

Batteries	3 x AA
Battery run time	Approx. 13 hours
External power	12VDC (via optional PC18 supply)

Data Logging

Logging interval	1 second to 60 minutes
Memory	86,000 data points (500 measurement runs)
Communication	Mini B USB

Outputs

Analogue output	0 - 2.5 V DC FSD
Alarm output	Switched open drain < 15 V & 500 mA DC

Physical

Size (instrument)	172 x 72 x 33 mm (6.8 x 2.8 x 1.3")
Size (probe)	35 x 205 mm (1.4 x 8.1")
Weight	< 600 g including batteries (< 22 oz)
Tripod mount	1/4"
Operating temp	0 - 55°C

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Web Sites

Main site:
<https://noisemeters.ca>

Product shortcut:
<https://noisemeters.ca/p/cel712k1/>

Tech Support:
<https://support.noisemeters.com>