

## CEL712 Microdust Pro - Real Time Dust Monitor



### Features

- Real-time Dust Levels for Instant Assessments
- Very wide range 0.001 mg/m<sup>3</sup> to 250 g/m<sup>3</sup>, 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 <sup>3</sup> - 250,000 mg/m <sup>3</sup>
Zero stability	< 2 ug/m <sup>3</sup>
Resolution	0.001 mg/m <sup>3</sup>

#### 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://www.noisemeters.co.uk>

Product shortcut:  
<https://www.noisemeters.co.uk/p/cel712k1/>

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