TROLEXK

ONE LIFE. PROTECT IT. XXD1⁺

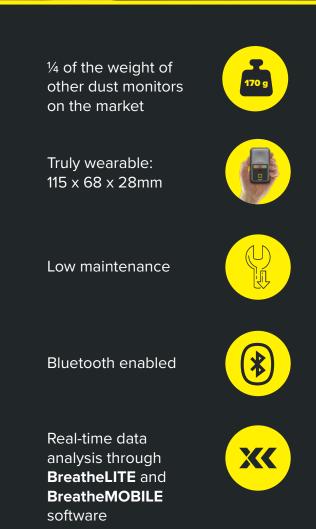
PERSONAL DUST MONITOR

We believe that simple, accurate, real-time dust monitoring should be available to every worker who needs it.

Without exception.

XCD1⁺ – an incredibly compact, lightweight and affordable real-time dust monitor that is changing the way we fight respiratory diseases in the workplace. No filters, no pumps, no tubes, and no replaceable parts.

XCD1⁺ gives you instant alarms for fully customisable STEL and TWA measurements for PM1, PM2.5, PM4.25 and PM10.



X D1+

SPECIFICATION

| Sensing technology | OPC light-scatter photometer |
|--|---|
| Particulate measurement | 0.1 μm to 10 μm (PM1, PM2.5, PM4.25, PM10) |
| Particle count accuracy | ±10% |
| Operating temperature Optimum performance Maximum performance | 10 °C to 40 °C -10 °C to 50 °C |
| Ingress protection | Main enclosure: IPX4 Particle flow path: IP4X |
| Weight | 145 g |
| Connectivity | BreatheLITE PC application BreatheMOBILE application |
| User options | STEL and TWA alarm setpoints Latching alarms Particulate measurement |
| Operating range | Up to ~150 mg/m ³ |
| Units of measurement | μg/m ³ – Logged on device μg/m3 or mg/m ³ – BreatheLITE application |
| Sampling interval | Custom 1 second intervals (default 10 seconds) |
| Flow rate | 0.1 L/min |
| User interface/alarms | Visual icon illumination (STEL, TWA, battery indication) Audible (85 dB) Vibration alert |
| Self-test | Sensor hardware, circuitry and battery test on activation 'Push to test' during operation |
| Response test | Custom particle compliance test |
| Battery run time | 16 hours (full health at ambient) |
| Charging time | 0% to 90%: 2 hours 0% to 100%: 3 hours |
| Memory capacity | 1 GB (6 months data logging at 10 second intervals) |



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