

TROLEX



Distributed by
Air-Met Scientific
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XD1⁺ PERSONAL DUST MONITOR DESIGNED FOR THE WORKER.

ASK US ABOUT
OUR TEAM PACK
OPTION

Incredibly compact, lightweight and affordable, XD1⁺ is a real-time personal dust monitor that's changing the way we monitor for particulate exposure in the workplace.

With instant alarms for fully customisable STEL and TWA measurements for particulate sizes ranging from PM1, PM2.5, PM4.25 + PM10, XD1⁺ lets you know precisely when you've exceeded your threshold limits.

SPEAK TO AN EXPERT

Contact sales@trolex.com about integrating XD1⁺ to support with your workplace safety when it comes to particulate exposure.

Or find a local distributor at
trolex.com/find-a-distributor

» ¼ of the weight of other dust monitors on the market



» No filters, pumps, tubes or replaceable parts



» Bluetooth enabled



» Free **BreatheLITE** + **BreatheMOBILE** software for data analysis



Software available at
trolex.com/xd1
Mobile app available on
Windows + Apple stores



TECHNICAL SPECIFICATION

Please refer to the technical documentation for full particulate sensing parameters.

Operating temperature	+10 °C to +40 °C (optimum performance) -10 °C to +40 °C (max. performance)
Humidity	20% to 80% RH, non-condensing (optimum performance) 0 to 95% RH, non-condensing (max. performance)
Housing material	PC/ABS polymer housing
Ingress protection	Main enclosure: IPX4 Particle flow path: IP4X
Weight	170 g
Data connections	USB-C (charging + data transfer) Bluetooth LE 5.3
Connectivity	BreatheLITE desktop application BreatheMOBILE application
User options	STEL + TWA alarm setpoints Latching alarms Particulate measurement
User interface/alarms	Visual icon illumination (STEL, TWA + battery indication) Audible (85 dB) Vibration alert
Self-test	Sensor hardware, circuitry + battery test on activation 'Push to test' during operation
Response test	Custom particle compliance test
Battery capacity + run time	8.2 Wh lithium ion + 8+ hours full health at ambient
Charging temperature limits	0 to +45 °C
Charging time	0 to 100%: 3 hours
Memory capacity	1 GB (6 months data logging at 10 second intervals)
Certification	CE + UKCA compliant