

XD ONE

**ONE LIFE.
PROTECT IT.**



A PERSONAL DUST MONITOR designed to be used as a wearable, mountable, or fixed in-cab personal protective device.

Simply switch it on and you're instantly detecting harmful particulates in the atmosphere. With the XD One, you'll be warned when regulated limits have been reached.

Our Trolex XD One is easy to use, light and compact, and has been independently verified in tests carried out by the HSE to be the most accurate personal dust monitor on the market today.

WEAR IT, FIX IT, MOVE IT.



ALMOST ZERO MAINTENANCE.



ACCURATE, FLEXIBLE RELIABLE.



DATA WHEN YOU NEED IT.



Personal, portable and mountable, the XD One is a self-contained unit with no tubes, sampling heads, impactors, pumps or filters.

It has a 16-hour-plus battery life and is available with a full range of mounting options for body, walls, poles and cabs.

The daily automatic and on-demand self-test takes 5 seconds. The one-minute compliance test is required typically every 3-6 months.

That's less maintenance time than our competitor's products require every single day.

Accurate to laboratory-grade standards and fully customisable STEL and TWA monitoring with associated alarms for PM1, PM2.5, PM4.25 and PM10.

The unit is always recording full TSP (Total Suspended Particulates) data and stores this analysis for up to 10 years.

Free BreatheLITE software provides live data readouts and full data analytics through your laptop or computer.

TROLEX

TECH SPECS

Sensing Technology:	OPC Light Scatter Photometer
Particulate Measurement:	0.35µm – 40µm (PM1, PM2.5, PM4.25, PM10 and TSP) Custom Particle Density Profiling
Operating Temperature:	-10°C to +45°C
Humidity:	0 - 95% RH, non-condensing
Housing Material:	PC/ABS – Stainless Steel
Ingress Protection:	Main Enclosure: IP54 Particle Flow Path: IP22
Weight:	445g
Data Connections:	1 x Mini USB (Max Cable Length 2m)
Connectivity:	BreatheLITE Application
User Options:	STEL and TWA Alarm Set Points Latching Alarms Particulate Measurement
User Interface / Alarms:	Visual Icon Illumination (STEL, TWA, Battery Indication) Audible (85 dB)
Self Test:	Sensor Hardware, Circuitry and Battery Test on Activation Manual Self Test During Use
Battery Capacity:	18.72 Wh
Battery Run Time:	16hrs (Full Health at Ambient)
Charging Temperature Limits:	0°C to +45°C
Max Charge Current:	1.2A
Product Fixing/Mounting:	Personal Mounting Clip, Klick Fast Stud, Pole Mount or Custom Bracket
Certification:	UKCA and CE Compliant

ACCESSORIES

COMPLIANCE BASE

Supplied as standard. Provides a stand and convenient base for easy charging, connection to BreatheLITE software and for compliance testing of the unit.

COMPLIANCE PACK ONE

All you need to carry out rapid compliance checks to your XD One unit to make sure it is 100% ready. This is typically required every 3-6 months.

BODY MOUNT KIT

Comes with a Klick-Fast Stud, belt loop and sew-in dock attachment.

WALL/POLE MOUNT KIT

Comes with a Klick-Fast Stud, Screw-on Mount and a Pole Bracket.

