

TX8060 **XKD** ONE PERSONAL DUST MONITOR

**ONE LIFE
PROTECT IT**

Personal, real time dust exposure
monitoring for industrial applications



PRODUCT OVERVIEW

TX8060 XD ONE

The Trolex TX8060 XD One Personal Dust Monitor is specifically designed as a compact and robust, wearable or mountable platform to support real-time detection, warning and logging of hazardous particulate concentrations.

With personal exposure in mind, the XD One allows users to monitor and log their immediate inhalation zones and associated risks in real-time. The device allows for body-worn, locally mountable or fixed cab installations as required.

Designed for use in a range of applications and environments, the device is suitable for monitoring both indoor and outdoor particulate conditions and is built to sense both high and low concentrations accurately. Adaptive flow rate technology supports measurement accuracy in atmospheres with varying airflow ranges.

Ease of monitoring and warning is presented through the design of a simple user interface, LED status indications and high frequency audio alarm. Devices and logged data can be reviewed, maintained and user configured via the accompanying Trolex BreatheLITE software.



PRODUCT FEATURES

TX8060 XD ONE

- Personal, Portable, Mountable Dust Monitor
- Designed for Personal Exposure Monitoring
- PM1, 2.5, 4.25 and 10 and TSP measurement range
- 0.35µm - 40µm Particle Sizing Range
- Custom Logging Intervals from 10s – 60s
- On Device Audio/Visual Alarms
- Custom Alarm Set Points (Application Configurable)
- On-Device Self Check
- Battery Operated, Rechargeable (16hrs+)
- On Device Data Logging
- Live Data Readout (Via BreatheLITE)
- Data Analytics Functions (Via BreatheLITE)
- Range of Mounting Options
- Low Maintenance
- Less than 450g



UNRESTRICTED PARTICLE FLOW



DATA AND CONNECTIVITY

TX8060 XD ONE

Connecting the XD One to the Trolex BreatheLITE application software allows for easy device navigation, set-up and custom threshold setting as required. BreatheLITE is also used to store, view and analyse your particulate exposure data from a single location and is an essential tool to support the maintenance of the XD One.

- Data Download
- Live Readings
- Device Configuration
- Device Audit Trails
- Alarm References
- Device Maintenance
- Device Reference Test
- Multiple Instruments



TECHNICAL INFORMATION AND DIMENSIONS

TX8060 XD ONE

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 +50°C
Humidity:	0 -95% RH, non-condensing
Housing Material:	PC/ABS –Stainless Steel
Ingress Protection:	Main Enclosure: IP54Particle Flow Path: IP22
Weight:	445g
Data Connections:	1 x Mini USB (Max Cable Length 2m)
Connectivity:	BreatheLITEApplication
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:	18.7 WhLithium Ion
Battery Run Time:	16hrs (Full Health at Ambient)
Charging Temperature Limits:	0°C to +45°C
Max Charge Current:	1.5A (Input Voltage 5V)
Product Fixing/Mounting:	Personal Mounting Clip, Klick Fast Stud, Pole Mount or Custom Bracket
Certification:	UKCA and CE Compliant

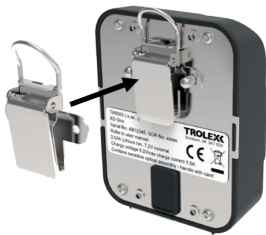


ORDER REFERENCE

TX8060 XD ONE

Product options:

TX8060				
Certification				
General Purpose	00			
Product Fixing				
Alligator Clip		01		
Klick Fast Stud			02	



Alligator Clip



Klick Fast Stud

As standard, the Alligator Clip is supplied with the XD One stabilitys trap for chest mounting. When ordering XD One devices with the Klick Fast Stud, please also order the relevant mounting kit below.

PRODUCT MOUNTING KITS

The XD One product mounting kits allow for Klick Fast, quick location and removal of the device for a range of mounting applications, including: Site Clothing, Belts, Direct Wall Mounting, Poles or Structures.

Product options:

P5644	4	0		
Mounting Kit				
Body Mount		01		
Wall/Pole Mount			02	

Body Mount Kit Contents



Belt Loop Dock



Sew On Dock

Wall/Pole Mounting Kit Contents



Screw On Dock



Pole Bracket

ORDER REFERENCE

Compliance Pack ONE

The XD One Compliance packs allow for the regular performance checking of the device against a supplied reference particulate range.

Product options:

P5644

4	0		
---	---	--	--

Compliance Pack

Pack x1 03

Pack x12 04

0.38 -40µm Sample Range



Compliance Pack ONE is available in 1 off or 12 off packs.

CAB CHARGER

The XD One can be installed and continuously powered using the in-cab 12-24V vehicle charger.

Product options:

P5644

4	0		
---	---	--	--

Charger

Cab 05



AT TROLEX, WE SAVE LIVES.

We believe that no person should risk their life to earn a living.

Our aim is to become the world's leading name in health and safety technology, through pioneering products that provide real-world benefits to our customers, whenever workers operate in hazardous environments.

For more information on Trolex or if you'd like to find out more about the XD One Personal Dust Monitor please contact us at:

Perth Office

+61 8 9456 1300
15 Magnet Road, Canning Vale WA 6155

sales@tridentaustalia.com.au

Melbourne Office

+61 3 9585 1155
21 Shearson Crescent, Melbourne VIC 3194

www.tridentaustalia.com.au

