



ONE LIFE. **PROTECT IT.**

XD1⁺

PRODUCT

COMPARISON



SPEAK TO AN EXPERT

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PRODUCT INFO: trolex.com/xd1

VIEW AIR X RANGE: trolex.com/air-x

How does XD1⁺ compare to other personal dust monitors on the market?

	XD1+	TSI Side Pak AM520	Dustlight
Aerosol concentration range	0.001 mg/m ³ to 150 mg/m ³	0.001 mg/m ³ to 100 mg/m ³	0 to 1 mg/m ³ (according to sensor manufacturer)
Particle size range	0.1 µm to 10 µm	0.1 µm to 10 µm	0.3 µm to 10 µm
Minimum resolution	0.001 mg/m ³	0.001 mg/m ³	1 µg/m ³
Units of measurement	mg/m ³ or µg/m ³	mg/m ³ + µg/m ³	µg/m ³
Accuracy	±10%	-	±25%
Flow range	0 to 1 L/min	0 to 1.8 L/min	-
Operating range	-10 °C to +50 °C	0 to +50 °C	-10 °C to +40 °C
Alarms	TWA + STEL (configurable)	General + STEL	TWA (STEL only available in paid software)
Programmable alarms	0.001 mg/m ³ to 999 mg/m ³	0.001 mg/m ³ to 999 mg/m ³	1,250 µg/m ³ standard (adjustable)
Alarm indicators	Horn, blinking LED + vibration	Horn/LED	Horn/LED
Data points	6 months (10-second logging)	80,000 records (55 days)	-
Logging interval	Adjustable from 10 seconds to 60 seconds	Adjustable from 1 second to 60 minutes	Every 60 seconds (after a certain run time)
Size	112 mm x 64 mm x 25 mm	129 mm x 94 mm x 78 mm	69 mm x 69 mm x 32.5 mm
Weight	0.17 kg	0.62 kg	0.15 kg
Battery run time	8 hours	20 hours	From 7 hours
Charge time	3 hours	4 hours	3 hours
Display	Smartphone via BreatheMOBILE	2.8" colour	-
Charging	USB-C or Charging Dock	AC power supply	USB
Communications interface	USB-C + Bluetooth	USB-C	Bluetooth
Mounting clip type	Aligator type for breathing zones	Waist belt type (sampling head option)	Waist belt type
Mobile app	IOS + Android	-	IOS + Android
Software	Apple Mac + Windows	Windows	Windows
Specific dust settings	✓	✓	✓

*Data taken from manufacturer's literature 26/11/2025