

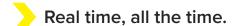
LET'S GET REAL.



AIR X(S)
SILICA MONITOR







AIR X(**S** gives you 24-hour, real-time information about silica levels on-screen and in greater depth through the **BreatheXS** software, allowing you to respond instantly to changing levels of dangerous particulates.



Data to make a real change.

User-selectable rolling averages across 15-minute, 1, 4, 8, and 12-hour periods, as well as custom alarm levels. Instant visualisation of trends and incidents through **BreatheXS** software allowing you to clearly understand your RCS problem and how to mitigate it.



Almost zero maintenance.

All you need is the Compliance Pack S from Trolex and typically a minute every month to maintain your **AIR X(S**. That's it. Real time for the real world.



Held to a higher standard.

At Trolex, we like to hold ourselves and our products to a higher standard, which is why all our tests are verified by independent authorities, and our accuracy figures are stated in comparison to laboratory-grade certifiedaccurate benchmark materials.

Go to www.trolex.com/product/air-xs for more information.

ACCESSORIES





Transportable Pack

For use in remote locations, or where power is not available, the lightweight **AIR XKS**Transportable Pack powers up your **AIR XKS** 24 hours a day without interruption. Featuring our unique twin-battery system with built-in prioritisation (the system automatically switches from depleted to charged cells), the **AIR XKS** Transportable Pack allows you to hot swap and recharge batteries quickly and easily without interruption to your work and without ever powering down.

Mounted on a robust, high-quality tripod and powered by dual lithium-ion batteries with a typical run cycle of 5 to 6 hours per battery.

The standard **AIR XCS** can be converted into transportable mode in about 5 minutes.

Compliance Audit Pack S

A single, easy-to-use pack for all your service, audit, compliance, and QA needs and to verify your **AIR XKS** in-situ. All you need is a minute, typically every month to ensure your **AIR XKS** is compliant, fully functional, and ready for use. That's it.

No complicated set-up or calibration routines, no return-to-base servicing, and no fuss.

All it takes is a Compliance Pack S and a minute of your time.

The Compliance Pack S contains the Trolexapproved Compliance Audit dust samples, along with the particulate delivery system with hood, and swap-out filters for 12 compliance audits.





BreatheXS software

Our dedicated **BreatheXS** software for **AIR XKS** is a clear, easy-to-navigate, easy-to-use platform for storing, viewing, and accessing all of your RCS data.

BreatheXS provides event logging, Approved Audit Certification and QA verification when required as well as instant alert messaging.

AIR X(S units can be controlled either in-field using the on-device buttons or using the **BreatheXS** software, giving you maximum flexibility and accessibility.

12-month warranty

All **AIR X**(**S** products and accessories come with a 12-month warranty.

To maintain a valid warranty, carry out a monthly compliance check with the Compliance Pack S.

SPECIFICATION

Particulate sensing parameters

Sensing technology	Optical refraction technology (ORT) Light-scatter photometer (OPC)
	Light-scatter photometer (OPC)
Particulate measurement	Target RCS identification range 1 to 10 μm
Max. typical dust loading*	150 mg/m ³
Continuous range	25 mg/m ³
Displayed data	RCS mg/m ³
	Total particles/litre over the selected averaging period
Resolution	1 μg (1,000 th of a mg)
Averaging period	15 minutes, 1, 4, 8 and 12 hours
Sampling interval	1 second to 60 seconds
Particle count	> 600 particles/second
Total airflow rate	~ 1.5 L/m (nominal)
Typical RCS accuracy	± 25%

^{*}The instrument can define particulate measurement peak trends up to the quantity specified.

Note: Sustained exposure to dust quantities above 25 mg/m^3 will be logged but they may affect the operating life of the **AIR XKS** sensor.

Users should determine specific operating conditions to ensure that the unit is suitable for a particular application.

Technical specification

Operating temperature	-10 °C to 45 °C
Humidity	0% to 95% RH (non-condensing)
Housing material	PC/ABS – stainless steel
Ingress protection	Main enclosure: IP66 Particle flow path (cap open): IP22 Particulate flow path (cap closed): IPX6
Weight	8.2 kg
Cable entries	3 x M20 with removable blanks 1 x M20 breather gland 1 x M20 USB connector
Nominal power supply	100 V to 240 V ac 50/60 Hz 9 V to 18 V dc
Power consumption	15 W
Communications	RS485 data output with MODBUS RTU protocol Ethernet (MODBUS TCP/IP) — not yet implemented
External power output	2 x 15 V dc 1 A outputs (for powering external devices)
Connectivity	BreatheXS PC/Mac software
Data download	External USB interface
Instrument data storage	6 GB
User interface	128 x 64 dot matrix display with RGB backlight Navigation keypad (membrane)
Visual alarms	Custom alarm set points Latching/non-latching
Indicators	1 x green high brightness LED – sensor heartbeat 1 x blue high brightness LED – communications
Self-test routine	Sensor hardware, circuitry, and communications on 'power on' manual self-test during use
Certification	CE compliant

Go to www.trolex.com/air-xs for the full AIR XXS Silica Monitor user manual.

