

Particulate Monitoring for Industrial Process

Precision Monitoring

- ✓ Complies with EN14181, EN13284-2, EN 15267-3 & USEPA MACT requirements
- ✓ Maximize Performance with Minimal Downtime
- ✓ Easy Installation & Set Up
- ✓ Provides Reliable, Low-Maintenance Monitoring
- ✓ Peace of Mind with Continuous Self Checks

The 3600QAL1 is a QAL1-certified particulate monitor for regulatory compliance in EU (EN 14181) and US (EPA MACT) applications. Featuring patented Auburn induction technology, it delivers stable, accurate measurements across a wide range of industries and includes automatic zero and span checks for continuous assurance.



Typical Applications

Provide robust and repeatable detection of particulate matter for:

- Baghouses
- Filter Receivers
- Silo Bin Vents
- Cyclone Overflow

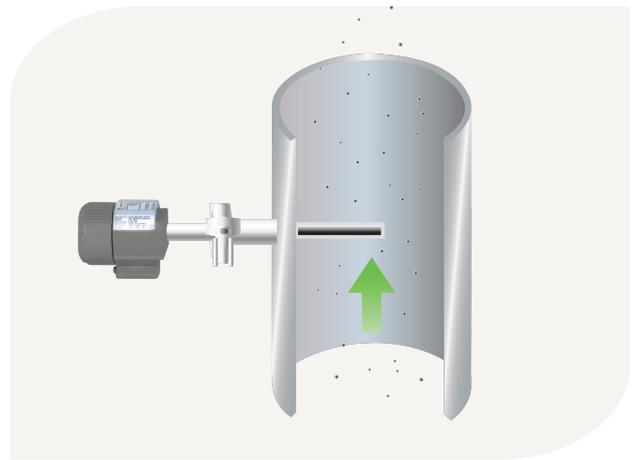
Technical Summary

General Technical	U3600 QAL1
Enclosure Material	Polycarbonate
Power supply requirements	85-260 VAC @ 5 Amps
Ambient operating temperature	-20° to +50°C (-4° to +122°F)
Number of sensors	1
Display	3" x 3" (75 mm x 75 mm) Colour LCD display
Enclosure protection rating	NEMA 4X / IP66
Outputs	2 x Alarm relays, 1 x 4-20 mA, 1 x Modbus 485
Features included	-40 °Navigation keys, alarm status, scaling factor, linear or logarithmic scale, Probe check status, Alarm settings, pA or mg/m3 units, password

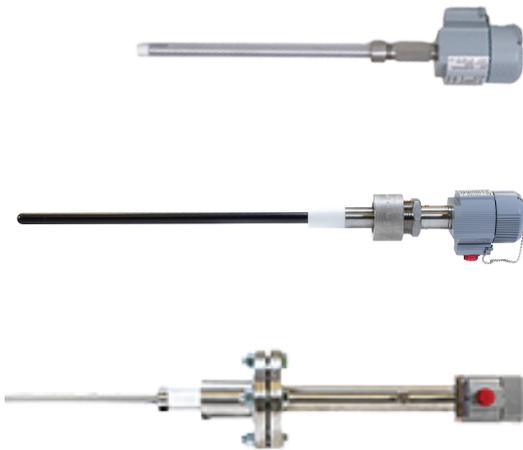
Principle of Operation

The U3600 QAL1 Particulate Monitors utilize induction sensing charge technology to detect particulates without direct contact with the probe. As particles move past the sensor, they generate a charge that is converted into a highly accurate measurable signal. This technology accommodates larger sample sizes and is effective across a wide range of dust types, including those found in damp, sticky, and hazardous environments.

All U3600 QAL1 electronics must be paired with a PS 10 Sensor.



PS 10 Models



PS 10 - S

Basic

This standard sensor is designed for easy install and reduced maintenance requirements.

PS 10 - HP

High Performance

This high-performance sensor designed for industrial applications with a wide variety of mount and sensor configurations to meet your process requirements.

PS 10 - XD

Extreme Duty

This extreme duty sensor for challenging process applications with high temperature and pressure requirements.

General Technical	PS 10 - S	PS 10 - HP	PS 10 - XD
Process Connection	NPT, Quick Clamp	NPT, Quick Clamp, Flange	Flange
Wetted Materials	316 L Teflon -	316 L Hastelloy C Teflon	316 L Hastelloy C Teflon
Max. Process Temperature	500 °F (260 °C)	500 °F (260 °C)	1650 °F (898 °C)
Max. Process Pressure	10 PSI (0.69 bar)	100 PSI (6.9 bar)	200 PSI (14 bar)
Max. Probe Length	36 in (914 mm)	72 in (1828 mm)	36 in (914 mm)
Enclosure Rating (explosion proof available)	NEMA 4X/IP66	NEMA 4X/IP66	NEMA 4X/IP66
Hazardous Area Rating	Class II Div. II (Zone 22)	Class I Div. I (Zone 0/22)	Class I Div. I (Zone 0/22)



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Request a Consultation Now**

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