

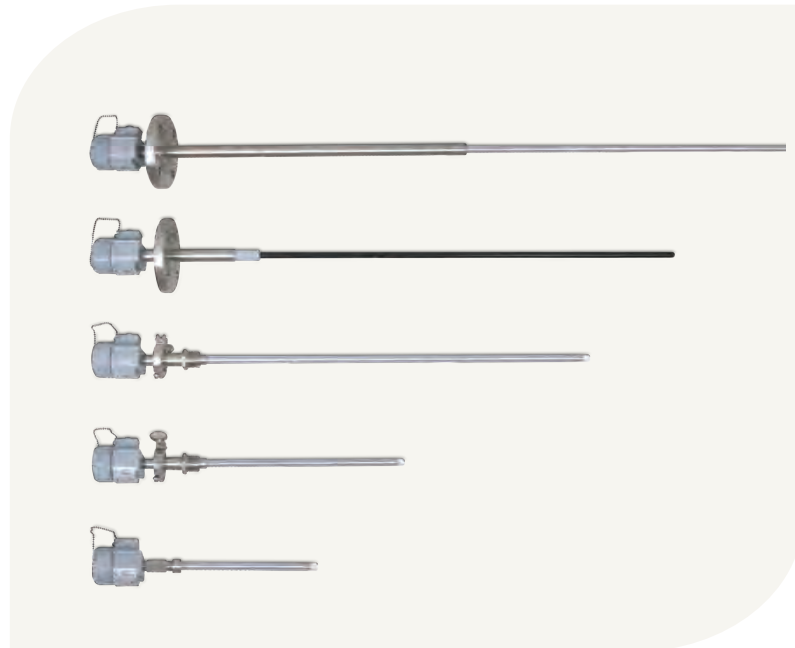
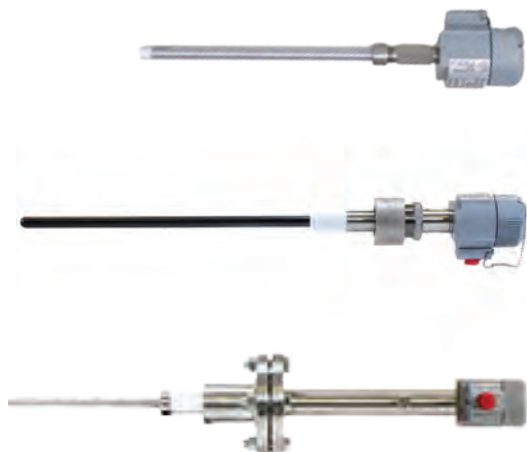
Particulate Sensors for Single Point & Network Monitoring

Precision Monitoring

- ✓ Robust Passive Design
- ✓ Reliable and Durable
- ✓ Options to Meet a Variety of Process Conditions
- ✓ Heat and Vibration Resistant
- ✓ Simplified Integration with a Variety Products

The PS 10 series is designed for reliable and precise dust monitoring in challenging industrial applications. With advanced technology and user-friendly features, the PS 10 series supporting optimal performance and efficiency in dust management.

PS 10 Models



Requirements

Based on your application requirements, the electronics paired with the PS 10 sensors will vary. Please refer to the back of this sheet and schedule a consultation to design the system that meets your specific needs.

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.

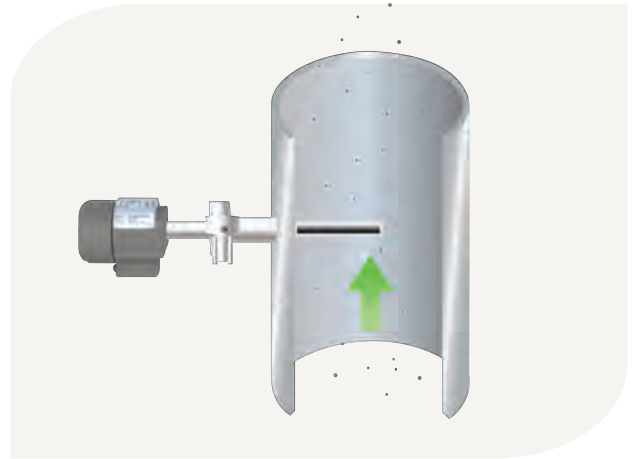
PS 10 - XD

Extreme Duty

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

Principle of Operation

The PS 10 Series of Particulate Monitors use induction sensing charge technology to detect particulates without direct probe contact. As particles pass by the sensor, they induce a charge, which is then converted into a measurable signal with high accuracy. This method accommodates larger sample sizes and is effective for a wide range of dust, including damp, sticky, and hazardous environments.



PS 10 Particulate Sensors –

Offered with Remote Electronics for Complete Monitoring



B-PAC™ Series

Multi Parameter Baghouse Performance and Analytical Control with advance automation.



PM 100 Series

Continuous particulate monitoring for precise multi-point emission measurement.



PM 1 PRO Remote

The remote PM 1 PRO configuration uses a PS 10 Sensor to relocate the controller away from the monitoring site.



3600 QAL1

Particulate monitor, certified for dust measurement in TUV and MCERTS-compliant applications.

PS 10 Model Technical Summary

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)

Boost Your Business – Request a Consultation Now

Call us at +1 978.927.4304 | Email us at info@auburnfs.com | Learn more at www.auburnfs.com