

Continuous Particulate Measurement

Precision Monitoring

- ✓ Minimal maintenance requirement
- ✓ Easy and fail-safe access to monitoring data
- ✓ Real-time, reliable performance
- ✓ Single and multichannel configurations

Continuous, multi-channel particulate monitoring system employing charge induction sensing for measurement, monitoring, and detection of particulate in stacks, ducts, or pipes. System features provide comprehensive alarms, instrument and process diagnostics, and more.



Technical Summary

Resolution	0.1 pA (Measure), 0.5 pA (Monitor), 5.0 pA (Detect)
Minimum Detection	0.1 mg/m ³
Process Pressure (sensor max.)	Up to 100 PSI (6.9 bar)
Process Temperature (Sensor)	Up to 1650 °F (898 °C)
Ambient Temperature	-13 °F to 158 °F (-25 °C to 70 °C)
Power	100-240 VAC (or) 24 VDC
Output	Analog and Discrete (up to 18 each)
Input	Analog and Discrete (up to 18 each)
Particulate Sensor(s)	PS 10-S/HP/XD Types

Features

- Up to 8 Monitoring Points
- Device & Process Diagnostics: NAMUR NE 043/107
- Automatic EPA Self-Tests and QA Log
- Alarm acknowledgement for emission exceedances
- Certified Fieldbus Protocols: Ethernet IP, Modbus TCP
- Data Logging Functionality

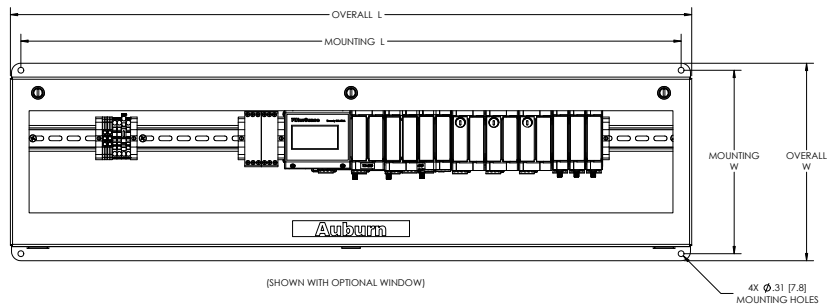
User Interface

The controller features a membrane keypad and graphic display for simple, menu-driven navigation. The Home screen displays real-time process status at startup. The Menu key provides access to alarms, system information, and setup wizards. Arrow keys and the Enter key are used to scroll and adjust settings.



Key	Description
	Home key
	Menu key
	Enter key
	Up/Down keys
	Left/Right keys

Mounting Dimensions
(Enclosure Details)



Enclosure	Overall (L x W x D)	Mounting (L x W)	Max Module Width
MEN-S2	23.6x9.06x6.1 in (599x230x154mm)	22.5x9.8 in (572x249mm)	16
MEN-S4	36.6x9.06x6.1 in (930x230x154mm)	35.3x9.8 in (897x249mm)	29

NEMA 4X Stainless Steel
Contact factory for stainless steel options

Compatible Instruments

PM 100 must be paired with compatible Auburn sensors for proper functionality.



PS 10 SERIES

Available: standard, high-performance, and extreme-duty particulate sensors

