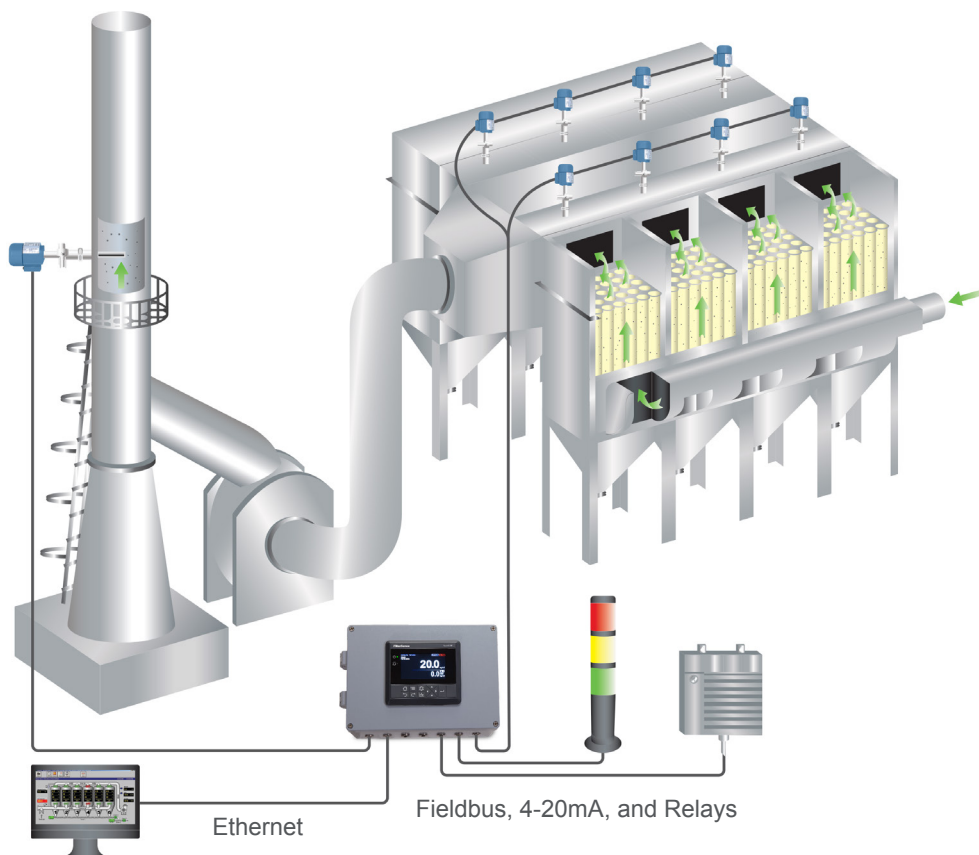


- Class-leading online particle monitoring solution for detecting leaks in multi-department dust collection systems.
- Supports up to 16 high-precision measurement points a from a single module.
- Detects particles of less than 1mg/m3 in air flow and provides immediate awareness of issues to support better decision-making and maintenance planning.
- Basic and PLUS versions allow application specific solution to be specified, providing measurement, monitoring and detection functions, as required.
- Real-time, historical and trending data to support event recording and improved awareness and decision making.
- Built-in diagnostics and automatic self-test ensure correct installation, continued reliable operation and compliance to industry regulations.
- Connectivity to a broad range of digital communications (Ethernet/IP, Modbus, PROFIBUS, PROFINET, DeviceNet, ControlNet, CanOpen, Ethernet) for integration to PLC system and providing alerts.



Availability, design and specifications are subject to change without notice. All rights reserved.

How to Order

P 150 A M B A A A A 0 0 0 A

Connection Type

P	No Connection
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Product Series

150	Particle Monitor
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Base Unit

A	Particle Monitor BASIC
B	Particle Monitor PLUS
C	Particle Monitor PLUS low temperature
0	No Base Unit

Communication

M	Modbus TCP/IP	
R	Modbus RTU	
E	EtherNet/IP	
N	Profinet	
D	DeviceNet	
P	Profibus	
C	ControlNet	
A	canopen	
T	ETHERCAT	only available for P150B & P150C
L	CC-link	
0	No communication	

Functionality

B	Basic data logging	for P150A only
S	Internal Data Historian with Redundancy: 12 month process variables and alarm history plus real time mirroring to SD card	only available for P150B & P150C
L	Special - Leak Locating	
M	Both S&L	
0	Only Modules Order	

Power Hub & Power Supply

	Power Hub	Power Supply
A	(1) 120/230VAC 50/60HZ, 20W 5VDC.	120/230VAC 50/60HZ input, 30W 24VDC 1.2A output
B	(2) 120/230VAC 50/60HZ, 20W 5VDC.	120/230VAC 50/60HZ input, 30W 24VDC 1.2A output
C	(1) 120/230VAC 50/60HZ, 20W 5VDC.	120/230VAC 50/60HZ input, 60W 24VDC 2.5A output
D	(2) 120/230VAC 50/60HZ, 20W 5VDC.	120/230VAC 50/60HZ input, 60W 24VDC 2.5A output
E	(1) 120/230VAC 50/60HZ, 20W 5VDC.	120/230VAC 50/60HZ input, 240W 24VDC 10A output
F	(2) 120/230VAC 50/60HZ, 20W 5VDC.	120/230VAC 50/60HZ input, 240W 24VDC 10A output
G	(1) 18-32VDC input, 20W 5VDC 4A output	18-32VDC input, 20W 24VDC 0.8A output(isolated)
H	(2) 18-32VDC input, 20W 5VDC 4A output	18-32VDC input, 20W 24VDC 0.8A output(isolated)
J	(1) 18-32 VDC input, 20 Watt 5 VDC@4 A output (isolated)	24 VDC output x 8, with short circuit protection
K	(2) 18-32 VDC input, 20 Watt 5 VDC@4 A output (isolated)	24 VDC output x 8, with short circuit protection
L	120/230VAC 50/60HZ, 20W 5VDC.	Spare (Replacement)
M	18-32 VDC input, 20 Watt 5 VDC@4 A output (isolated)	Spare (Replacement)
N	Spare (Replacement)	120/230 VAC 50/60 Hz input, 30 Watt 24 VDC @1.2 A output
P	Spare (Replacement)	120/230 VAC 50/60 Hz input, 60 Watt 24 VDC @2.5 A output
Q	Spare (Replacement)	120/230 VAC 50/60 Hz input, 240 Watt 24 VDC @10 A output
R	Spare (Replacement)	18-32 VDC input, 30 Watt 24 VDC@1.25 A output (isolated)
0	No power hub & Power Supply	

Area Classification & Enclosure

A	Type 4X/IP 66 Heavy Duty Alum. (13" x 9") 8 Module Widths	available for P150B & P150C	Ordinary/ General Purpose Only, CE Mark
B	Type 4X/IP 66 Heavy Duty Alum. (16" x 13") 12 Module Widths		
C	Type 4X/IP 66 Heavy Duty Alum. (24" x 13") 20 Module Widths		
D	Type 4/IP 66 Steel (24" x 10) w/ Window, 16 Module Widths		
E	Type 4/IP 66 Steel (36" x 10) w/ Window, 29 Module Widths	available for P150A	
F	Special - Type 4X/IP 66 SS (24" x 10") w/ Window		
G	Special - Type 4X/IP 66 SS (36" x 10") w/ Window		Hazardous Location
H	Type 4/IP 66 Steel (24" x 24") 32 Module Widths		
J	Type 4/IP 66 Steel (36" x 36") 60 Module Widths	available for P150B & P150C	
K	Special - Type 4X/IP 66 SS, (24" x 24")		
L	Special - Type 4X/IP 66 SS, (36" x 36")		
M	Type 4X/IP 66 Heavy Duty Alum. (13" x 9") 8 Module Widths	available for P150B & P150C	
N	Type 4X/IP 66 Heavy Duty Alum. (16" x 13") 12 Module Widths		Hazardous Location
P	Type 4X/IP 66 Heavy Duty Alum. (24" x 13") 20 Module Widths		
Q	Type 4/IP 66 Steel (24" x 10) w/ Window, 16 Module Widths		
R	Type 4/IP 66 Steel (36" x 10) w/ Window, 29 Module Widths	available for P150A	
S	Special - Type 4X/IP 66 SS (24" x 10") w/ Window		
T	Special - Type 4X/IP 66 SS (36" x 10") w/ Window		
U	Type 4/IP 66 Steel (24" x 24") 32 Module Widths		Hazardous Location
V	Type 4/IP 66 Steel (36" x 36") 60 Module Widths	available for P150B & P150C	
W	Special - Type 4X/IP 66 SS, (24" x 24")		
Y	Special - Type 4X/IP 66 SS, (36" x 36")		
0	No Enclosure		

OPEN

OPEN

QTY of Particulate Sensor Module

0 to 8		
9		
A		
B		
C	12	only available for P150B & P150C
D	12	
E	14	
F	15	
G	16	

Particulate Sensor Module

A	Measurement (mg/m3) with Auto Self-Checks Resolution: 0.1 pA, Range: 0 to 10,000 pA with 1% linearity
B	Monitoring with Auto Self-Checks Resolution: 0.5 pA, Range: 0 to 5,000 pA
C	Monitoring, Resolution: 0.5 pA, Range: 0 to 5,000 pA
D	Detection, Resolution: 5.0 pA, Range: 0 to 5,000 pA
E	Special - Monitoring with Auto Self-Checks Resolution: 1.0 pA, Range: 0 to 100,000 Pa
0	No Particulate Sensor Module

Discrete Module

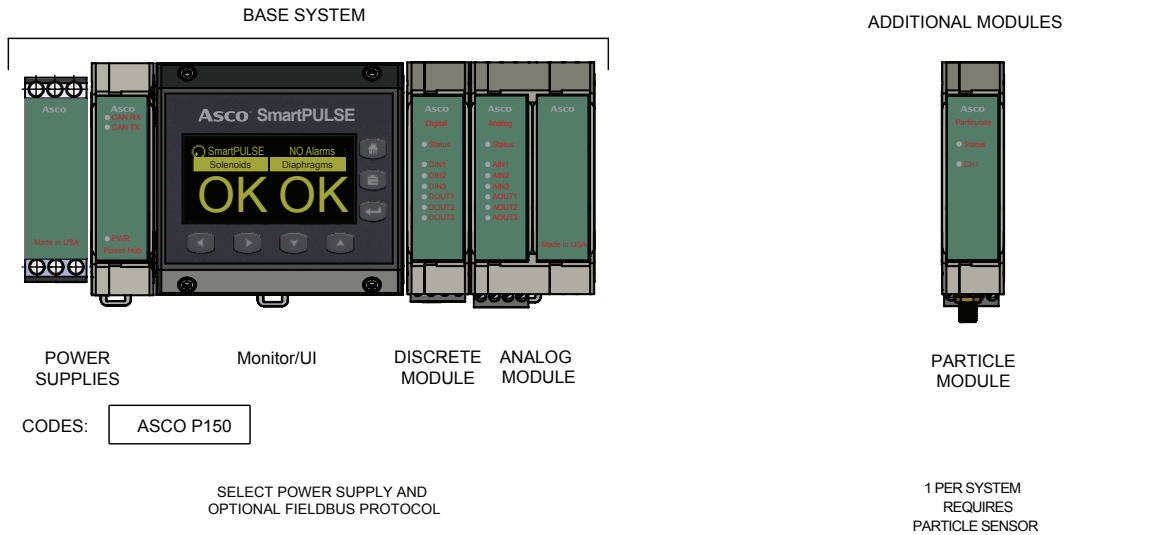
A		QTY = 1
B	Discrete(relay),	QTY = 2
C	3 in(120/230VAC),	QTY = 3
D	3 out (5Amp)	QTY = 4
E		QTY = 5
G		QTY = 1
H	Discrete(relay),	QTY = 2
J	3 in(18-32VDC),	QTY = 3
K	3 out (5Amp)	QTY = 4
L		QTY = 5
0	No Discrete IO	

Analog Module

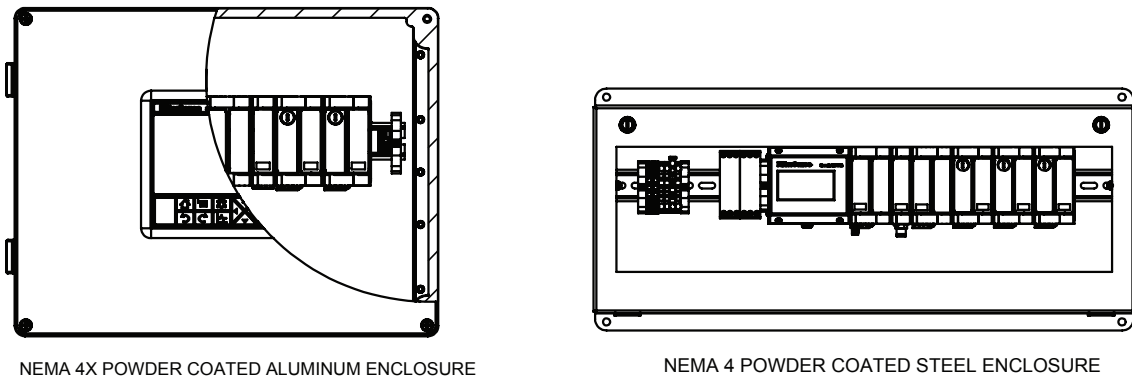
A		QTY = 1
B		QTY = 2
C	Analog(4-20mA),	QTY = 3
D	3 in 3 out	QTY = 4
E		QTY = 5
0	No Analog IO	

Mounting & Dimensions

Monitor & I/O



Enclosures



System

