Ordering Information

	Air Particle Sensor Particle measurement type	0.3, 0.5, or 1.0 µm min.	ZN-PD03-S
	Air Particle Sensor Dust measurement type	5µm(10µm), 20µm(30µm), 50µm min. ()is selectable.	ZN-PD50-S

Wave Inspire ES ZN-SW11-S

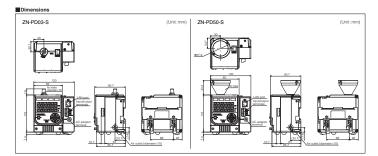
25: Windows AP, Windows visual 2PU: Compatible with Intel processors, 1GHz or higher Memory: 1GB or more (2GB or more recommended)

Appearance	Item	Model
6	Change filter set for Particle measurement type	ZN9-PF1-S
	Change filter set for Dust measurement type	ZN9-PF2-S
6	Exhaust tube(4m)	ZN9-PT4-S
	Exhaust tube(8m)	ZN9-PT8-S
6	Filter for cleaning	ZN9-PC1-S

Model	Particle measurement type	Dust measurement type	
Item	ZN-PD03-S	ZN-PD50-S	
Measurement method	90° sideways light-scattering method		
Light source	Semiconductor laser		
Measured particle diameter	0.3, 0.5, or 1.0 µm min.	5µm(10µm), 20µm(30µm), 50µm min.(See note 1.)	
Particle concentration	0 to 100,000particles/cf	0 to 50,000particles/cf	
Sample flow rate	≧2.8Litter/min	≥6.0Litter/min	
Status outputs(2 outputs)	Photo coupler output (Status outputs linked with clean levels)		
System error status output			
Trigger Input	Photo coupler input		
Communication interface	Ethernet twisted-pair cable connector (TCP/IP)		
Indicators	Clean Levels:4levels(adjustable) 7-segment main display (red/6digts);Count value (Selectable particles/cl, particles/Litter, counts of particles per measurement time 7-segment sub-display(green/6 digits):Selected particle diameter		
Measure Mode	Real-time mode (by second)/Cycle mode(by set cycle)/Trigger mode(by trigger)		
Power supply voltage	DC19V (See note 2.)		
Current consumption	1A MAX		
Ambient temperature range	Operating: 0 to 35°C	Operating: 0 to 40°C	
Ampient temperature range	Storage :-15 to 50°C (with no icing or condensation)		
Ambient humidity range	Operating and storage: 35% to 85% (with no icing or condensation)		
Insulation resistance	20 MΩ min. at 500 VDC		
Withstand voltage	1,000 VAC, 50/60 Hz for 1 min		
Vibration resistance	esistance 110 to 55 Hz, 0.3-mm double amplitude, 50 min		
Materials	ABS		
Degree of protection	IP20		
Installation method	DIN track mount / Self standing		
Weight (Packed state)	Approx.1.7kg		
Accessories	Instruction Sheet, AC adapter		
Accessories	Air-intake tube/Tubing ID: @10mm, Length 1mix1	Air filter v1	

Note 1. () is selectable. Note 2. Must be used with specified AC adapter.

Specifications



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New

Production-Environmental Sensing Series The First Air Particle Sensor ZN-PD-S

Cost Effective and Wide range measurement size (From Particle to Dust)

Optimized Quality Management with Real-time Particle Monitoring System



OMRON

Particle measurement type (0.3µm to 1µm)

Dust measurement type (5µm to 50µm)

