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# F-SPDS

## Temperature & Dust Sensor

Sensor for SP-12

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The ION F-SPDS Dust Environment sensor is a combined temperature and dust particle sensor, designed to deliver real-time information about the air quality in your environment. This Australian designed accessory uses Laser diffraction analysis to detect the presence and count of particles as small as  $0.3\mu\text{m}$ . The F-SPDS Dust Environment sensor has been designed for use with the ION SP-12 Rack Monitor. Measurements from the F-SPDS Dust Environment sensor can be used to assist with meeting ISO 14644-1, the global standard in clean rooms and data centres.



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## F-SPDS FEATURES

- 3 year advanced replacement warranty\*
- Detection Accuracy - 50%  
@ $0.3\mu\text{m}$ , 98% @ $\geq 0.5\mu\text{m}$
- Easy Integration

# F-SPDS

## Temperature & Dust Sensor

### Specifications

F-SPDS	
<b>Physical</b>	
Maximum Height	20mm
Maximum Width	29.5mm
Maximum Depth	72mm
Net Weight	
<b>Environmental</b>	
Operating Voltage	12V
Max Power Consumption	2W
Communication	RS485
Particle detection range	0.3µm - 10µm
Detection Accuracy	50% @ 0.3 µm, 98% @ > = 0.5µm
Temperature Range	- 55 °C to 200 °C
Temperature Accuracy	+/- 0.5 degrees @ 25°C

\*Product specifications are subject to change without further notice.  
\*3 Year Advanced Replacement Warranty please refer to the ION website for more information.