

HARDWARE

Features	Laser-based light scattering particle sensing. Fully calibrated.
Response Time	<6 s
Concentration Range	0 µg/m ³ to 1,000 µg/m ³
EMC	Heavy industrial level IEC61000
Output	PM2.5, PM10 (standard); PM1.0, PM2.5, PM4.0, PM10 (compact)
Supply Power Requirements	5V via USB cable 80 mA max.
Compliance	RoHS & REACH
Cable	Included. Detached. 10-Pin Connector to USB Type A. 4 meters (13 feet)

DESCRIPTION

Set up this compact sensor and respond quickly to airborne contamination. This Particulate Sensor features a high concentration range, and it offers 10 years of continuous use so you can set it and forget it. Monitor and respond to environmental particulates, and ensure optimal air quality for your operations. Control and read status using CLI, Web, SNMP or Restful APIs.

ASSEMBLED IN THE USA

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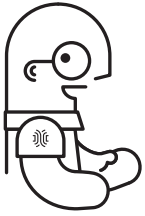
Quick Install Guide

Compact Particulate Sensor (USB)

ZPE-DST-U01

COMPATIBLE WITH
ALL NODEGRID DEVICES

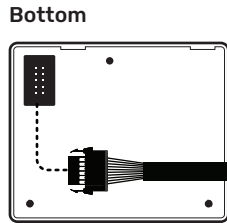
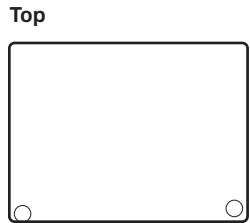
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Let's set up your Compact Particulate Sensor

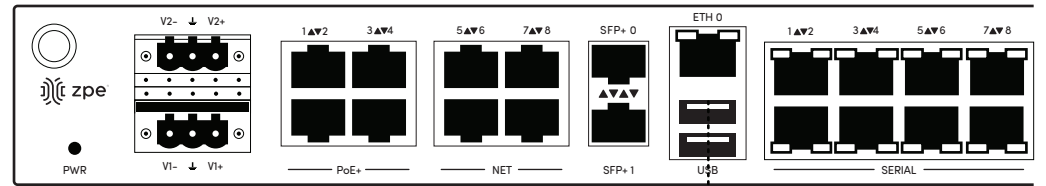
- 1 Connect the sensor to any available USB 2.0 or USB 3.0 port on Nodegrid Serial Consoles, Services Routers, or USB hubs connected to Nodegrid hardware.

Compact Particulate Sensor



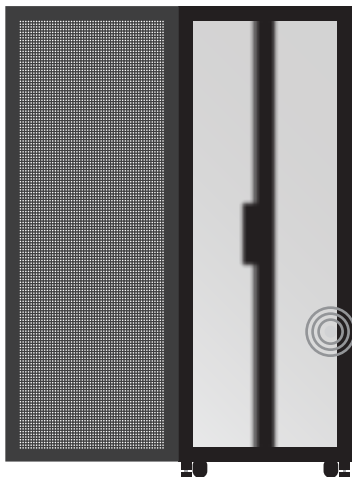
USB Cable
4 meters
Mating Connector:
10-Pin Connector

Any USB Port on a Nodegrid Device or USB hub connected to Nodegrid hardware

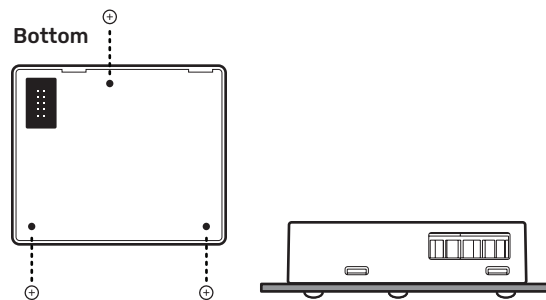


Inset: Nodegrid Gate SR

- 2 Mount sensor by screwing it on a surface where wires can run through. You may also use mounting tape. Orientation must be as shown, parallel to the ground.



Screws not included
If mounting with screws, use three 1,8 [0.071] self-tapping screws. Max. engagement: 3,5 [1.138].



- 3 Ensure minimum Nodegrid OS version meets sensor requirements. Upgrade Nodegrid OS to minimum version 5.4.1



nodegridos

- 4 For more information, visit the "Sensor Quick Install Guide" section at: zpesystems.com/user-manuals/



- 5 OPTIONAL: To configure data collection in ZPE Data Lake, refer to Appendix C in the latest ZPE Cloud Manual at: zpesystems.com/user-manuals/

We suggest placing the product here *Rack cage may be a different model or size