

OMNIDOTS DUST V2

Part of Omnidots' environmental monitoring solution

Productspecificaties

Generated at the 17th of October 2022, at 01:29:40 pm

DATA-ACQUISITIE

Measurement technique	Nephelometer - forward light scattering
TSP (Total Suspended Particles)	
Optional cyclone filters	PM10, PM2.5, PM1 (order separately)
Measurement range	0 to 100,000 µg/m3
Measurement sensitivity	1 µg/m3
Zero calibration	Automatic zero calibration every hour or as programmed from 1 to 999 minutes
Flow rate	2.0 liters/minute ± 0.1 lpm

GPS-LOCATIE

Type sensor	GPS-ontvanger
Nauwkeurigheid	10 meter CEP (33 ft CEP)

LOGGING INTERVAL TIJD

Bereik	1 - 6000 seconds
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ALARM TRIGGER NIVEAU

Range (concentration)	> 50 µg/m3
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TOEPASSELIJKE NORMEN

MCERTS	
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HONEYCOMB CLOUD SERVICE (persoonlijk dashboard)

Geeft weer	1, 15, 30, 60 mins and 24 hour aggregates for PM 1, PM 2.5 and PM 10
Exporten	1, 15, 30, 60 mins and 24 hour aggregates for PM 1, PM 2.5 and PM 10
Gegevensopslag	Beveiligd datacenter



ALARMINSTELLINGEN

Type bericht	E-mail, SMS, persoonlijk dashboard
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COMMUNICATIE

Draadloos	WiFi
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MODEM

Netwerk	- LTE / GSM
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INTERN GEHEUGEN

Opslag	~ 2 work weeks storage of log records
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OMGEVINGSCONDITIE

Beschermingsgraad tegen binnendringing	IP65
Bedrijfstemperatuurbereik	-30°C to 50°C (-22°F to 122°F)
Barometric pressure range	600 to 1040 mbar
Ambient humidity range	0 to 90% RH, non-condensing

STROOMVOORZIENING

Stroomvoorziening	External (Please specify desired mains connector)
Minimale stroomvoorziening	15 - 40V DC @1.5A max.
Stroomverbruik	~1.5A @12V

KALIBRATIE

Aanbevolen tweejaarlijks (om de twee jaar)*

Gecertificeerde kalibratie door een door Omnidots gecertificeerde faciliteit

* Bij gebruik volgens de producthandleiding en binnen de omgevingsspecificaties.

AFMETINGEN

Afmetingen	483 x 178 x 108 mm (4.29 x 5.12 x 1.77 inch)
Gewicht	3.0 kg (105 oz)

ACCESSORIES

Weather Sensor, RS232 Communication Cable, RS485 Communication Cable, Cyclone PM 1 (order separately), Cyclone PM 2.5 (order separately), Cyclone PM 10

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