WNDS-01-7S AC

Wireless Network Dust Sensor PM1.0 PM2.5 PM10

Froggie

WARRANTY 1 YEAR WARRANTY

WNDS WiFi Network Dust Sensor

Froggie

www.allit.info

Model: WNDS
Serial No.: WNDS
Warranty date:

บริษัท ออล อินฟอร์เมชั่น เทคโนโลยี่ จำกัด
512 หมู่11 ถ.บ้านดอนยาง-บ้านหัวถนน
ต.ศิลา อ.เมือง จ.ขอนแก่น 40000
โทร.043-0008258 มือถือ 085-0008815
f :ALLIT
ID: 0850008815

Sensor from Switzerland

Froggie 1

Sensor ID	PM10 µg/m³	PM2.5 µg/m³
mean	33	28
(-) 18574	33	28

Sensor 18574: 24 h floating

— PM10 — PM2.5

Sensor 18574: Last 24 hours

— PM10 — PM2.5

mCERTS — THE ENVIRONMENT AGENCY'S MONITORING CERTIFICATION SCHEME

sira CERTIFICATION

RoHS

- 7th generation laser particulate sensor measuring PM1.0, PM2.5, PM4 and PM10 with high accuracy and repeatability
- Digital temperature, humidity and barometric, pressure sensor
- 2.4GHz WiFi communication, 4G LTE, LoRa (special order)
- Solar powered model available for remote locations incl. MPPT charger and LiFePO4 batteries
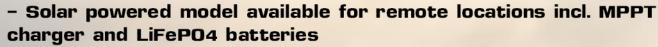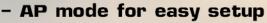- AP mode for easy setup
- just select your WiFi station name and enter your KEY
- Integrated Li-Ion battery backup and power monitor for enhanced reliability
- Multi-API compatible with open architecture supporting MQTT and web protocols
- Free web and mobile applications for data visualization
- Free unlimted data storage and history
- Measurement 3 min update cycle
- MCERTS certified European Air Quality Standard DIN EN 15267
- Outdoor enclosure
- 1 year warranty

ALLIT All Information Technologies

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Features

German air pressure sensor and Swiss fine dust sensor with MCERTS, certification according to European Air Quality Standard DIN EN 15267 Certificate No: Sira MC 200350/00

Particulate sensor specification

Mass concentration accuracy	±10 µg/m3 @ 0 to 100 µg/m^3
	±10 % @ 100 to 1000 µg/m^3
Mass concentration range	1 to 1000 µg/m^3
Mass concentration resolution	1 µg/m^3
Particle detection size range	PM1.0, PM2.5, PM4 and PM10
Lower limit of detection	0.3 µm

Temperature, humidity and barometric pressure sensors

Accuracy: $\pm0.2°C$, $\pm2\%$ RH, 0.18hPa
Resolution: 0.008%RH, 0.01°C, 0.06hPa

Network modes

TCP/IP communication (HTTP/HTTPS/MQTT)
WiFi: IEEE 802.11 b/g/n with built-in antenna

Operating mode

Network sensor with 3 min update cycle
Free cloud service, web interface with open architecture and multi API support

General device information

Operating temperature: -10 to +50°C
Air pressure: 86KPa to 110KPa
MCERTS/CE/FCC/RoHS compliant

Power supply

5VDC with UPS function using included AC/DC adapter and rechargeable 18650 Li-Ion backup battery