Product Data Sheet

WinShine

LD-AQS/A
Wireless 6-in-1 Air Quality Sensor

LD-AQS/A is a wireless 6-in-1 air quality sensor based on EnOcean protocol, which can detect indoor PM1, PM2.5, PM10, HCHO, temperature, humidity, TVOC, CO2 content in real time, and can be used with EnOcean IoT gateway. The sensor does not require wiring and needs to be powered by external power supply.

Basic parameters

Power	DC 12V
Operating temperature	-5°C~ +50°C
Working humidity	0% to 95% r.h.
Wireless Standards	EnOcean,868MHz
EnOcean Equipment Profile（EEP）	D2-14-59
Size	106×117×38mm
Installation method	Ceiling, horizontal placement

Performance Parameters

Temperature detection range	0~80°C
Temperature error and service life description	±1.5°C（Measured at constant temperature and humidity experimental conditions）
Temperature accuracy	0.1°C
Humidity detection range	0~100%RH
Humidity error and service life description	±7%RH（Measured at constant temperature and humidity experimental conditions）
Humidity accuracy	1%RH
PM1/PM2.5/PM10 detection range	0~511ug/m³
PM1/PM2.5/PM10 Explanation of error and service life	at 100~511ug/m³，±10%；at 0~100ug/m³下，±10ug
PM1/PM2.5/PM10 accuracy	1 ug/m³
TVOC detection range	0~65000ppb
TVOC error and service life description	±10%（Measured after 24 hours in a closed, uniformly distributed air environment）
TVOC accuracy	1 ppb
CO2 detection range	0~10000ppm
CO2 error and service life description	±40ppm,±3% read values
CO2 accuracy	1 ppm
HCHO testing range	0~2000ppb
HCHO error and service life description	Air life of about 3 years, if not used, please store it in 0 ~ 20 ℃ environment
HCHO accuracy	1 ppb

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