

EM300-ZLD



Temperature, Humidity & Zone Leakage Attractive and Compact Design for Indoor and Outdoor usage

AM300-ZLD is measuring

- Temperature
- Humidity
- Zone leakage

AM300-ZLD supports a wide temperature operating range and IP67 enclosure that makes it ideal for application in harsh environments.

AM300-ZLD is widely used in public, commercial and industrial buildings for leakage detection over larger areas in restrooms, server rooms, data centers and in conjunction with infrastructure such as piping, pumps, etc.

AM300-ZLD applies 1 × 4000 mAh battery and is expandable to 2 batteries, providing more than five-year battery life.

AM300-ZLD is equipped with NFC for easy mobile app configuration (Android and iOS).

USB-C and NFC is available for configuration via Notebook.

AM300-ZLD is compliant with standard LoRaWAN® gateways and network servers

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Wireless transmission

Technology	LoRaWAN®
Frequency	CN470/IN865/RU864/EU868/US915/AU915/KR920/AS923
Tx Power	16dBm(868)/20dBm(915)/19dBm(470)
Sensitivity	-147dBm @300bps
Mode	OTAA/ABP Class A

Temperature

Range	-30°C to + 70°C
Accuracy	0°C to + 70°C (+/- 0.3°C), -30°C to 0°C (+/- 0.6°C)
Resolution	0.1°C

Humidity

Range	0% to 100% RH
Accuracy	10% to 90% RH (+/- 3%). Below 10% and above 90% RH (+/- 5%)
Resolution	0.5% RH

Leakage detection

Trigger condition	When liquid level reaches 5mm
Detection cable length	3m (Customizable on request)

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Physical characteristics

Power supply	1 × 4000 mAh ER18505 Li-SOCL2 battery Extendable to 2 batteries
Battery life at 10 min interval	>5 years (SF10) For guideline purposes only!
Operating Temp.	-30°C to +70°C
Relative humidity	0% to 100% non-condensing
Ingress protection	IP67
Dimension	88.5 × 85.3 × 27 mm (3.48 × 3.36 × 1.06 in)
Installation	Wall mounting

EM300 family members



EM300-TH
Temperature and humidity measurement



EM300-MCS
As EM300-TH plus magnetic contact switch



EM300-SLD
As EM300-TH plus spot leakage detection

You will find details on the above EM300 variants at our web-site www.singotech.com