

# EM500-PT100

## LoRaWAN Temp Sensor



### Benefits

- Easy Configuration with NFC technology
- Easy Deployment with Wall Mounting/ Pole Mounting/ DIN RAIL
- IP67 weatherproof and waterproof housing
- For use in air, water and any benign and corrosive environment (dependent on probe type)
- Max. 10 years battery life (dependent on use)
- Milesight offers a wide variety of probes in various configurations
- The EM500-PT100 resistance thermometer doesn't require additional calibration
- Platinum RTD is the most linear, stable and accurate of all RTD's without measurement errors



### Features

- Vibration-resistant construction
- In three-wire circuit
- Customizable temperature detection range (-200 ~ 800°C)
- Terminal heads available in straight tube, armoured, SMT, threaded, magnet

EM500-PT100 equips with a highly accurate temperature sensor PT100, the platinum resistance temperature detector offers much most stable and precise temperature measurement from -200 to 800°C.

LoRaWAN®	Frequency	CN470/RU864/IN865/EU868/US915/AU915/KR920/AS923
	Tx Power	20dBm
	Sensitivity	-137dBm @300bps
	Mode	OTAA/ABP Class A
Measurement (CO2)	Range	EM500-PT100-T200: -50 °C to +200 °C EM500-PT100-T500: -50 °C to +500 °C EM500-PT100-T800: -50 °C to +800 °C (Customizable from -200 °C to +800 °C)
	Accuracy	±0.5% FS
	Resolution	0.1°C
Physical Characteristics	Probe Length	1.5 m (Customizable)
	Probe Type	Straight tube (Bolt-on ring, magnet and other types customizable)
	Power Supply	19000 mAh Li-SOCI2
	Operating Temperature	-30°C to +70°C
	Ingress Protection	IP67
	Dimension	105.4 × 71 × 69.5 mm (Sensor and cable are not included)
	Mounting	DIN rail, wall, pole mounting