

# EM500-PP



## Pressure sensor

**Designed for Harsh Environments and Long Battery Life**

EM500-PP is designed for pressure measurement in harsh environments with its corrosion resistant and P67 enclosure design.

EM500-PP is applied for measurement of pressure within commercial, public and industrial applications such as pipes, tanks, oil, gas, water leakage, pump monitoring, etc.

EM500-PP applies one replaceable **19000 mAh** battery, providing up to **10-year** battery life.

EM500-PP is equipped with NFC for mobile app configuration (Android and iOS).

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

EM500-PP is compliant with standard LoRaWAN<sup>®</sup> gateways and network servers



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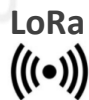
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### Wireless transmission

Technology	LoRaWAN®
Frequency	CN470/IN865/RU864/EU868/US915/AU915/KR920/AS923
Tx Power	16dBm(868)/20dBm(915)/19dBm(470)
Sensitivity	-137dBm @300bps
Mode	OTAA/ABP Class A

### Pressure measurement

Pressure type	Gauge pressure
Range	0 - 1600 kPa (16 Bar)
Accuracy	± 0.5% FS
Resolution	1 kPa (0.01 Bar)
Overload	150% FS
Long-term stability	± 0.3% FS/year
Process connection	G 1/2" Male



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### Physical characteristics

Cable length	1.5 m
Power supply	One 19000 mAh Li-SOCL2 battery (ER34615)
Battery life at 10 min interval	>10 years (SF7) ~4 years (SF12) For guideline purposes only!
Operating Temp.	-30°C to +70°C
Relative humidity	0% to 100% non-condensing
Ingress protection	Transceiver: IP67, Pressure probe: IP65
Dimension	105.4 × 71 × 69.5 mm (4.1 × 2.8 × 2.7 in)
Installation	Pole, wall and DIN-rail mounting

