

LoRa PRECISION PLATINUM TEMPERATURE SENSOR

Lansitec precision platinum temperature sensor is designed based on the advanced LoRa modulation and powered by lithium battery with 6-year operation time. It is cost-effective LoRaWAN end device for a variety of application scenarios.

Its long operation time offers low maintenance. Therefore, it is ideal for industrial use. Sensor work mode can be adjusted via LoRa network. Lansitec sensor family is fully compatible and plug-and-play for LoRaWAN network operation.

Lansitec sensors can also work with Lansitec Wireless Data Transfer Unit (P/N: 100-00175) for low cost deployment. Please contact us for further information.

Context: Busway temperature monitor, gas and fluid temperature monitor



SPECIFICATIONS

Protocol	LoRaWAN1.0.2B
Frequency	US915, AU915, EU868, EU433, AS920-923, AS923-925, RU864, ID920, KR920, IN865, KZ865, CLAA, CN470, CN470-Ali
Sensitivity	SF=7 ≤ -126dBm, SF=10 ≤ -136dBm, SF=12 ≤ -142dBm
Operating Current	7µA@sleep mode, Max.138mA@20dBm
Temperature Range	-200°C~200°C
Accuracy	±1°C
Standby Time	5 years @25 °C 17dBm 5 minutes interval
Operating Temperature	-40°C~+85°C
Storage Temperature	-55°C ~+85°C
Operating Humidity	5%~95%
On/Off	Support
Sensor	PT100 platinum RTD, maximum 4 sensors supported, cable length is optional
Antenna	External
Dimension	Aluminium, 76*46*110mm
Battery	Non-chargeable lithium battery 19Ah
Communication Distance	>2km
Certification	CE, FCC, RCM

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ORDERING INFORMATION

Product Description	Part Number
LoRa Platinum Temperature Sensor, US915, 1 sensor, 19Ah	100-00159
LoRa Platinum Temperature Sensor, EU868, 1 sensor, 19Ah	100-00169
LoRa Platinum Temperature Sensor, CN470, 1 sensor, 19Ah	100-00178
LoRa Platinum Temperature Sensor, AS923, 1 sensor, 19Ah	100-00181
LoRa Platinum Temperature Sensor, US915, 1 sensor, 19Ah	100-03201
LoRa Platinum Temperature Sensor, RU864, 1 sensor, 19Ah	100-03202
LoRa Platinum Temperature Sensor, IN865, 1 sensor, 19Ah	100-03203
LoRa Platinum Temperature Sensor, KR920, 1 sensor, 19Ah	100-03204
PT100 RTD, 2m	100-02161
PT100 RTD, 2m, D3*L25mm	100-02162
Temperature Sensor, PT100, CLAA, 1 sensor, 19Ah	100-01158