

LoRa Precision Platinum Temperature Sensor

Lansitec precision platinum temperature sensor is 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. It's long operation time offers low maintenance and is ideal for industry use. Sensor work mode can be adjusted via LoRa network.

Lansitec sensors family is fully compatible and plug & 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.

Protocol	LoRaWan1.0.2
Frequency	CN470, EU868, US915, AS923, CLAA
Sensitivity	SF=7 ≤ -126dBm SF=10 ≤ -136dBm SF=12 ≤ -142dBm
Operating Current	30uA@sleep mode Max 138mA@17dBm
Temperature Range	-200~1250°C
Accuracy	±1°C
Standby Time	6 years @25°C 17dBm 5 minutes per transmission
Operating Temperature	-40 ~ +70°C
Storage Temperature	-55 ~ +85°C
Operating Humidity	5% ~ 95%
On/Off	Support
Sensor Quantity	4, external, cable length is optional
Antenna	External
Dimension	Aluminum, 76x46x110mm
Battery	Non-chargeable lithium battery 38Ah
Communication Distance	>1km in urban area

Ordering information:

P/N	100-00158
Email	contact@lansitec.com
Website	www.lansitec.com
Telephone	+86-25-83358776