



AEInnova
Alternative
Energy Innovations

InduEye[®] Extreme Temperatures Monitor 2 (NOD-0011)

Technical datasheet





WIRELESS SPECIFICATIONS	Communication protocol	LoRaWAN Class A EU868, AS923, AU915, US915	
	Data rate	5,5 kbit/s	
	Coverage range	Up to 2 km	
	Frequency	EU868: 863–870 MHz AS923: 923–925 MHz AU915: 915–928 MHz US915: 902–928 MHz	
	Radio security	128-bit AES encryption	
	RF transmission power	EU868: max. 14 dBm AS923: max. 16 dBm AU915: max. 23 dBm US915: max. 23 dBm	
	Antenna	External omnidirectional antenna (2 dBi max.)	
ELECTRICAL SPECIFICATIONS	Input Supply voltage	5 V	
	Maximum input current	2 A	
Measurements	Temperature	Delivered parameter	Temperature
		Measurement range	-200 °C to 1300 °C (-328°F to 2372 °F) <i>(Depends on the temperature probe used)</i>
		Resolution	1°C
		Sensor Type	Type K Thermocouple
	Transmission Interval	6 to 60 transmissions per hour, up to 8 temperature readings per transmission	
INSTALLATION ENVIRONMENT	Ambient temperature limits	-20°C to 50 °C (-4 to 122 °F)	
REGULATORY COMPLIANCE DECLARATIONS	Ingress protection rating	IP67	
	Certifications	CE	
PHYSICAL SPECIFICATIONS	Enclosure material	AlSi 12	
	Weight	1.0 Kg	
	Mounting	Metal clamps Alternative mounting systems on demand	
	Dimensions (mm)		