



AEInnova

Alternative
Energy Innovations

InduEye® LeakSense 2.1 Lora (NOD-0015)

InduEye® LeakSense 2.1 Lora Ex ic (NOD-0017)

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	Supply voltage	5 V	
Maximum input current		2 A		
PERFORMANCE SPECIFICATIONS	Measurement	Ultrasonic	Measured parameter	Ultrasound
			Frequency range	20kHz – 50kHz
			Indicators	Ultrasound : <ul style="list-style-type: none"> • RMS (V) • 0 to Peak (V) • Kurtosis • Crest Factor • Stability • Open-Close counter
		Temperature	Measured parameter	Inlet temperature Outlet temperature
			Measurement range	-20 °C to 400 °C (-4 °F to 752 °F) <i>(Depends on the temperature probe used)</i>
			Resolution	0,1°C
	Measurement element		External PT100 probe	
	Transmission interval	6 transmissions/hour (configurable)		
INSTALLATION ENVIRONMENT	Ambient temperature limits	-20°C to 50 °C (-4°F to 122 °F)		
REGULATORY COMPLIANCE DECLARATIONS	Ingress protection rating	IP67		
	Explosion-proof	ATEX Zone 2 and Zone 22 (NOD-0017)		
	Certifications	CE / FCC (On going) / ANATEL (Ongoing)		
PHYSICAL SPECIFICATIONS	Materials	Aluminum alloy, 6000 series (Enclosure) Stainless Steel (Bracket)		
	Weight	0,8 kg		
	Mounting	Cylindrical steel pipe adapter Alternative accessories available on demand		