

# Steam Trap Monitor Data Sheet

- Acoustic and dual temperature sensors for most accurate failure detection on the market
- QR label (As per LoRa Alliance Technical Recommendation TR005) with unique identifier to allow smartphone scanning
- Durable and lightweight PPE housing
- LoRaWAN communication protocol for ranges up to 2 km
- Arm® Cortex®-M4 microcontroller for onboard spectral analysis and edge processing
- Secure Hardware with AES 256-bit encryption
- Easy non-invasive plug & play installation requiring no special tools or system down time



## Data Specs

Housing	PPS and PPE/PPO
Pipe Clamp	Cast iron electroplated
Pipe Diameter Range	All Sizes
Antenna	TFP
Battery Type	Lithium Thionyl Chloride 3.6V
Battery Life	7 years (lifetime battery warranty)
Dimensions (including foot and antenna)	119.96 mm x 140.02 mm (4.7" x 5.5")
Weight	243 grams
Radio Output	LoRaWAN Class A, 915 mHz, max SF10
Transmit Power	+30 dBm (-146 dB RX sensitivity)
Enclosure Rating	NEMA 4x
Ambient Temperature Limit	-18 C to +45 C (-4 F to 113 F)
Max Steam Pipe Temp	300 C (572 F)
Max Condensate Pipe Temp	200 C (392 F)
Ingress Protection Rating	IP66
FCC Certification	Yes

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