

microTEMP I.S. **TECH EXPOSED**

Operates using LoRa-WAN Sub-Gigi-hertz digital radio frequency.

10-years at 6 data transmissions/day (2x D-Size Batteries - 3.6VDC).

Built-in thermocouple for surface temperature readings.

Ethernet or Cellular back-haul through gateway.

Installed temporarily or permanently in under 5 minutes per sensor.

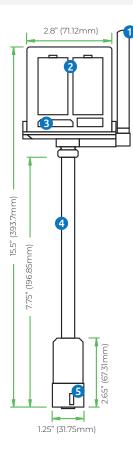
Hazardous-area certified to UL/CSA Class 1 Div. 2, Gas Groups A-D, T4 & ATEX IECEX Zone 0. 1 LoRaWAN High-Gain Antenna

2 Two D-Cell batteries provide 10 years of wireless operation. Commercially available (non-proprietary)

3 LoRa Radio

4 Stainless Steel Heat Stand-Off

5 Temperature Sensor







microTEMP attached with a band clamp out of insulation

microTEMP specifications

sensor surface temperature	
hazardous location rating intrinsic safety	See chart on the right
Temperature Accuracy*	40°F to 392°F ± 5.8°F (-40°C to 200°C ± 3.2°C) and >392°F (200°C) ± 2.0%
Ingress Protection Rating	
Resolution	
battery life (typical) [†]	
construction	
mounting	band clamp
	temperature, time/date stamp
local network	LoRaWAN (node to gateway)
	gateway to cloud (cellular or ethernet)
	1,000+ microTEMP units per gateway
gateway‡ outdoor	; cast alum.; Approx. 12×6×4" (305×152×102mm); 6.0lb (2.7kg)
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† Typical Values. Results may vary site to site. *Temperature Accuracy measured per SNI lab procedure xxxxx. ‡ Without antennas





Ex ia IIC T4 Ga | Class I, Div 1, Gp A-D T4 Ex ia Class I Zone 0, AEx ia IIC T4 Ga | Class I, Div 1 Gp A-D T4 Ta = -40°C to +70°C E114158 - Hazardous Location

WARNING: USE ONLY TADIRAN TL-5930, SL-2780 OR XENO XL-205F BATTERIES WARNING: SPECIAL CONDITIONS FOR SAFE USE, SEE INSTRUCTIONS

67

BATTERY POWERED: 2 Cells, 7.2V, 0.94W PROGRAMMING PORT: Um = 5V



Contains: IC: 23069-CW24012 FCC: 2ANDP-CW24-012 Made in the USA

