

Outdoor Sensor  
Temperature monitoring  
Context of extreme  
temperature



Ref: TEM-LAB-14NS

This Senlab-T is a smart LoRaWAN™ sensor equipped with a remote probe for contact in extreme temperature

The probe is:

- ✓ 1 meter cable length between the sensitive element and the radio module
- ✓ Waterproof
- ✓ Measures temperatures from  $-55^{\circ}\text{C}$  to  $+125^{\circ}\text{C}$

Therefore, Senlab-T is capable of measuring the temperature in many difficult situations, whether in confined places or directly in contact with the object you wish to monitor.

- LoRaWAN™
- 20 years \*
- 15 km \*
- IP68 (Outdoor use)
- Local or Public Network compliant

## Typical applications

- Smart industry, pipe monitoring, machine preventive maintenance
- HVAC control and monitoring
- Cold storage monitoring
- Legionella surveillance systems

Technical specifications	
Physical dimensions	56 x 102 x 35 mm
Weight	140 gr
Operating temperature	$-20^{\circ}\text{C}$ to $+70^{\circ}\text{C}$
RF sensitivity	-137dBm
RF power	+14dBm (25mW)
Radio band	868 MHz
EMC Compliance	ETSI EN 301 489-1, ETSI EN 301 489-3, EN 61000-6-2
Radio Compliance	EN 300 220-1 V 2.4.1 (2012-05), EN 300 220-2 V 2.4.1 (2012-05)
Magnetic field exposure	EN 62479
Safety	IEC 60950-1, EN 60950-22

\*Depending on the operating conditions