SENSING ⊙ LABS
Remote sensor-to-Human ● ● ●

Radio transmitter for
Soil Temperature and Humidity monitoring

Ref: THY-LAB-14NS

This Senlab T+H is a smart LoRaWAN™ sensor equipped with a remote high precision temperature and humidity sensor providing a ±0.4ºC and ±3% RH accuracy.

The waterproof probe connected to the radio module with 0,5 meter cable length between the sensitive element and the radio module, waterproof and can measures temperature from -55°C to +125°C and humidity from 0 to 100%

Sensing Labs advanced sensors offer advanced functionalities such as:

✓ Datalogging (24 points / radio transmissions)

✓ High and Low temperature alarm notification

✓ "Over the air" reconfiguration

LoRaWAN™

Up to 20 years *

15 km *

IP 68
(Outdoor use)

Local or Public
Network compliant

Typical applications

Smart Building, ambient temperature and humidity monitoring

Smart Agriculture, soil moisture monitoring

Smart City watering green spaces optimization

*Depending on the operating conditions

Technical specifications	
Physical dimensions	56 x 102 x 35 mm
Weight	140 gr
Operating temperature	-20°C to +70°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