

## DEVICE

The external temperature device from Lansen is a plug-and-play OMS transmitter for measuring the temperature on for example pipes. Much care have been taken to design a sleek, good looking device with high security and performance.

## PERFORMANCE

The device has a robust design with an optional tamper detection if opened or removed from the wall. A bit in the status message is set if sabotage is detected or restored.

The battery level is continuously monitored and a low level warning is issued when battery is nearing depletion.

## FIRMWARE

MODES	Configurable C, T or S
INTERVAL	Configurable 60s - 1 hour
ENCRYPTION	AES128 encryption OMS mode 5, Profile A. Configurable ON/OFF, and KEY
STANDARD	T1-Mode, 5 min.Encryption ON

## SENSORS

EXT PROBE	RANGE: -40° to +125° ACC TYP: ±0,5°
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## WARNINGS

TAMPER DETECTION	Product opened or removed from the wall (opt).
BATTERY	Low battery

## POWER/LIFETIME

POWER SUPPLY	3.6V Li-SOCI2, AA battery
VOLTAGE	2.4 to 3.6V
LIFESPAN	14 years typical, depending on configuration and operating temperature.
RADIO	14 dBm output power to antenna

## GENERAL INFORMATION

STANDARDS	2014/53/EU (RED) EN 13757-3/4:2013, OMS 4.0.2
TEMPERATURE	-40° to +85°
RELATIVE HUMIDITY	None condensing
CASING	White, ABS, 25.5 x 105 x 22 mm

## DEVICES

LAN-WMBUS-G2-EXT	External temp transmitter.
LAN-EXT-PROBE-OW	External single one wire probe
LAN-EXT-PROBE-OW-DUAL	External dual one wire probe
LAN-CF-CABLE	USB Configuration cable

## MEASUREMENTS

The external temperature is send at a configurable interval minutes and the data is sent using the Wireless MBUS protocol OMS compliant. This makes the sensor ideal for integration in data collecting systems or drive by solutions.

The data from the device could also be protected using the AES128 encryption compliant with OMS standard.

## EXTERNAL TEMP PROBE

The device supports up to 4 external temperature probes connected to the device. If more than 2 temperature cable should be connected an external junction box must be used, so that only one cable is connected to the device. The probes are automatically detected and configured at startup. The external temperature sensor has a typical accuracy of ±0,5.

## CONFIGURATION

The MBUS mode, transmission interval and encryption can be configured using a USB configuration cable connected to a PC.

