INTEGRATED, LORA® BASED RADIO SOLUTION FOR AUTOMATED REMOTE METER READ OUT

The rapid growth of the Internet of Things (IoT) has led to new radio communication technologies specifically designed to meet the growing demand for high energy efficiency and wide reach.

LoRa® based radio interface for sub-metering

The compact ULTRAHEAT® meters T230 and T330 have been further developed and adapted to the new requirements. For both meter types, interfaces based on LoRa® radio technology are already integrated and can be ordered as an option. They can therefore be easily integrated into your IoT networks and, thanks to OTC*, quickly put into operation.

*One-Touch-Commissioning

Your benefits

- Automated data transfer
- Avoid reading errors
- Improvement of data quality and quantity
- Long range
- Open standard - Interoperable
- High network stability and data transmission security
- Your access to »district heating networks 4.0«

Technical data

Interface characteristics

Class	A, bi-directional
LoRa® version	1.0.2
Activation	OTAA or ABP
Data rate	DR0-DR5 (250–5470 Bit/s)

Radio characteristics

Frequency	868 MHz
Output power	14 dBm
Receiver sensitivity	-135 dBm

Electrical data

Nominal voltage	3.0 - 5.0 VDC
Power consumption (max)	40 mA
Power consumption (sleep mode)	2.5 µA

Features

Eco Mode

The interface has a kind of power saving mode, because it can automatically reduce the transmission interval in case of insufficient reception.
The battery life of 11 years is possible and the high radio range is also preserved.

Increased security

For enhanced data security, the so-called **"Configuration Lock"** provides a lock that prevents unauthorized configurations.
For this purpose, the customer authenticates himself in the OTC App with his user & password. No one else can now make changes to the module.

Simple key handling

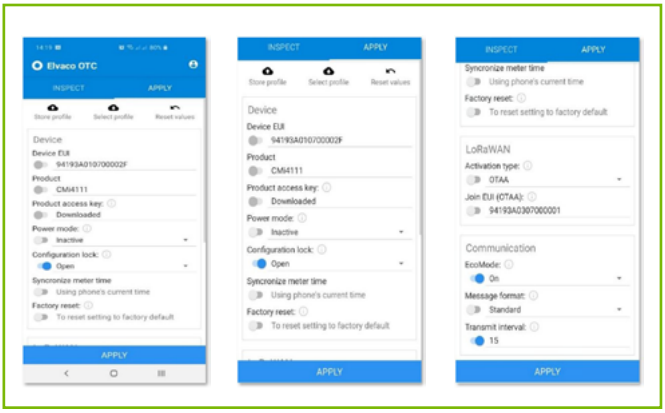
For a secure transmission of the keys, Landis+Gyr uses a portal where the customer downloads his keys from the platform.
This avoids sending the keys by e-mail and increases security.

Configuration via NFC* interface

The configuration is set via free OTC* app for Android smartphones.

With your personal access you can define individual settings and save them as configuration profiles..

*Near Field Communication *One-Touch-Commissioning



Data acquisition, visualization and analysis*

- Access 24/7 to your meter data
- Real-time data tracking (resolution to the minute)
- Choose whether you want to look at single meters or larger areas
- Map views and visualization of meter alarms
- Custom dashboard - according to your individual requirements

*If you are interested, please contact us.

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