Ultrasonic Heat Meter / Cooling Meter
Residential

Landis+Gyr
manage energy better


Ultrasonic Heat Meter / Cooling Meter

## The Evolutionary

# ULTRAHEAT / ULTRACOLD T330

Proven technology
one step further

T330

BENEFITS

COMPACT

**Versatile installation options**

The extremely compact design of the T330, as well as the rotatable and detachable calculator simplify the installation of the meter and facilitate reading. Even there where is a lack of space, such as for example in narrow meter cabinets or poorly accessible places, the T330 can be used effortlessly.

UNIVERSAL

**Extended application**

The T330 can be used in heating or cooling systems with water as heat or cold transfer medium. It is particularly suitable for individual consumption measurement in apartments. Due to the all-metal design of the flow part (measuring unit), it is also used in applications with higher temperatures (105°C)
It´s always the right meter for all situations.

ECOLOGICAL

**Transport without restrictions**

The T330 is powered by batteries with low lithium content and is therefore not hazardous goods.

The compact packaging saves space in the warehouse and also during shipping. That saves money and reduces emissions.

PROVEN

**Platform strategy**

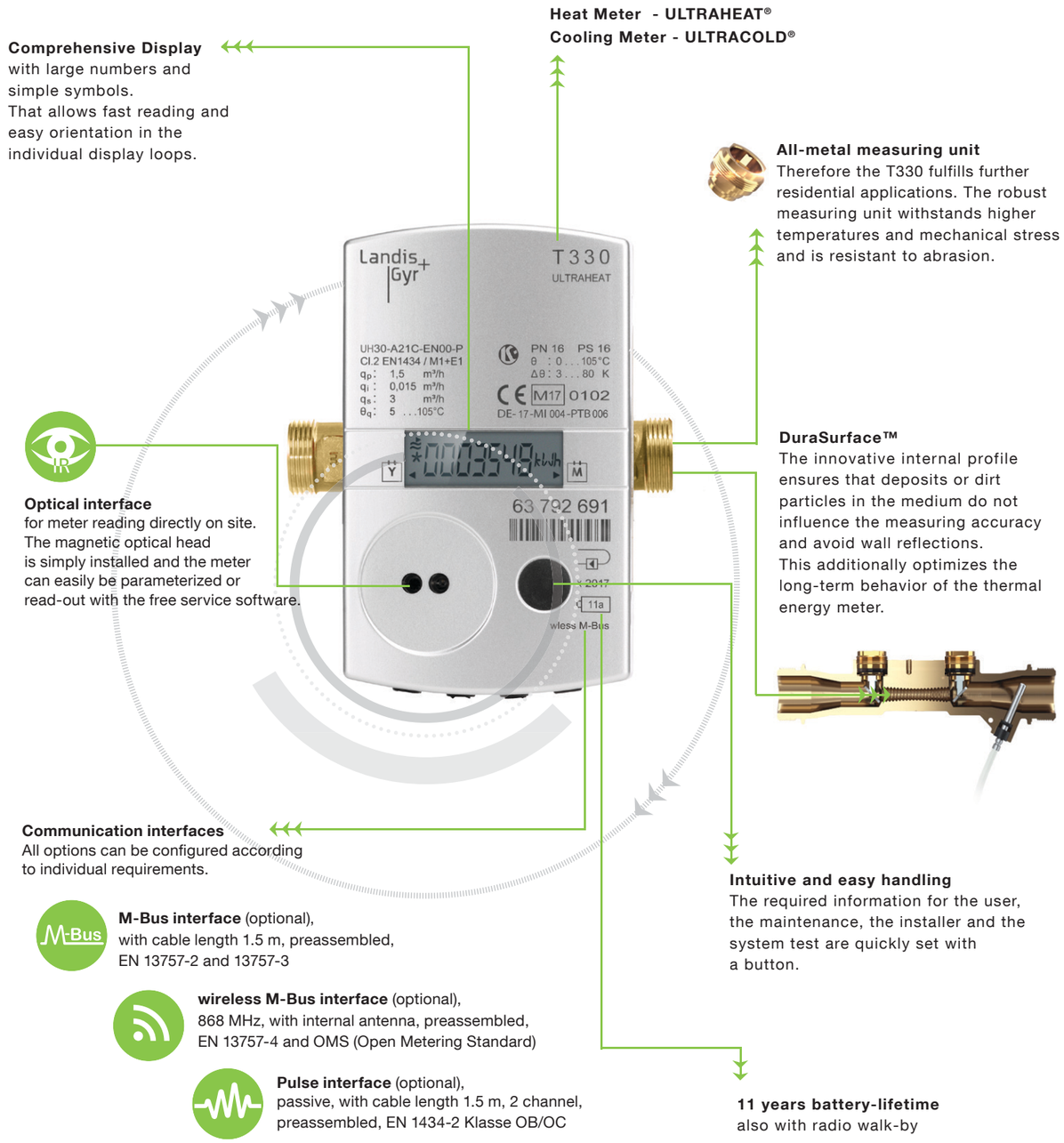
Recognized and well-proven meter components have been improved and combined into a new concept. The precision of the measuring unit and the consistent operating concept of the calculator ensure familiar handling of the T330, such as installation, operation and readout.

## Retaining the proven to create something new.

The ULTRAHEAT®T330 combines the proven technologies of ULTRAHEAT meters and thus covers a wider range of individual consumption metering in apartments, local heating or building technologies.


### Features

- Ultrasonic heat meter or cooling meter with state-of-the-art technology
- Insensitive to soiling and deposits
- Fast, intelligent measurement for all applications
- Flat, detachable calculator
- Temperature range: 5-105 °C
- Short measuring intervals and high load capacity
- Measuring of smallest flows
- Data storage for 24 months
- 2 monthly set days (middle of month)
- Fast and save installation
- No straight lengths of pipe or flow strengtheners required
- Comply with the strict European Directive (class 2)
- Fast communication
- Precise, resistant, non-wearing




### Technical data

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Approval | MID (EN 1434:2016), cooling national | | Nominal flow qp | 0.6 | 1.5 | 2.5 | [m³/h] |
| Protection class | IP 54 / (IP65)* | | Max. flow qs | 1.2 | 3.0 | 5.0 | [m³/h] |
| Display LCD | 10 mm high symbols | | Min. flow qi | 6 | 15 | 25 | [l/h] |
| Temperature range * | 5 ... 105 | [°C] | Operating limit | 1.2 | 3 | 5 | [l/h] |
| Temp.-difference ΔT | 3 ... 80 | [K] | Mounting length | 110 / 190 | 110 / 130 / 190 | 130 / 190 | [mm] |
| Nominal pressure | PN16, (PN25) | [bar] | Thread connection | G¾ / G1 | G¾ / G1 / G1 | G1 / G1 | -- |

* flow part

T330

HIGHLIGHTS

## RELIABLE

### Excellent measuring stability

The T330 has a full-metal measuring unit without moving parts in the measuring channel and is equipped with the special internal profile DuraSurface™. This makes it insensitive to soiling and ensures failure-free operation with constant measuring accuracy over many years.

## INTELLIGENT

### New advanced features

ADAPTIVE MEASURING GRID
The T330 automatically adapts to the situation and switches to a short, optimal temperature measurement grid.

TEMPERATURE COMPENSATION
The temperatures of the heating water have an influence on the measurement of the volume.
For a heat measurement of the highest precision, the T330 also compensates the specific temperature influences on the ultrasonic measurement.

MANUAL PARAMETERIZATION
The most important parameter settings, such as the setting of M-Bus addresses, can also be carried out directly at the meter using the service button without the use of tools such as service software and optical heads.

STATISTICAL VALUES
The T330 determines maxima of temperatures, flow and power on a monthly basis and total, thus allows a detailed analysis of the system.

MONTHLY VALUES, DUE DATES
Two programmable due dates allow both, monthly values and values of the middle of the month, to be recorded.

Landis+Gyr
manage energy better

## About Landis+Gyr

Landis+Gyr is the leading global provider of integrated energy management solutions for the utility sector. Offering the broadest portfolio of products and services to address complex industry challenges, the company delivers comprehensive solutions for the foundation of a smarter grid including; smart metering, distribution network sensing and automation tools, load control, analytics and energy storage.

Landis+Gyr operates in 31 countries across five continents as an independent growth platform of the Toshiba Corporation (TKY:6502) and is also 40% owned by the Innovation Network Corporation of Japan (INCJ). With annualized sales of more than US$1.5 billion, the company employs 5,700 people with the sole mission of helping the world manage energy better.

More information is available at landisgyr.eu

**Landis+Gyr Center of Competence Heat in short**

- “Made in Germany” - own development, manufacturing and sales
- Since 1983 experiences with ultrasonic thermal energy meters
- Operations on all five continents
- Order-related production depending on individual order codes
- Modularity and software optimization leads to fast reaction times on orders
- Certified acc. to ISO 9001, 14001 and EC Directive D + H1 (MID)
- State-approved test center
- Service-Center for revisions and repairs
- Committed to improved energy efficiency and environmental conservation
- Solid and established partner network

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