

QALCOSONIC

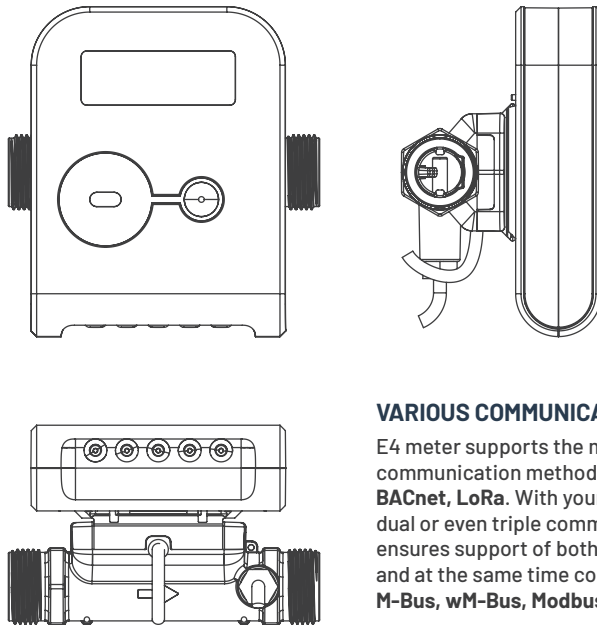
E4

ULTRASONIC
METER WITH
GAME-CHANGING
PRICE FOR
HEATING AND
COOLING
SOLUTIONS



RELIABLE MEASUREMENT FOR THE MOST EFFICIENT PRICE

QALCOSONIC E4 is a cost-effective smart ultrasonic heating and cooling meter with a modern and durable composite material flow body part allowing to save costs needed for procurement, operation & maintenance for large-scale smart metering projects.



VARIOUS COMMUNICATION METHODS

E4 meter supports the most common industry standard communication methods: **M-Bus**, **wM-Bus**, **Modbus**, **BACnet**, **LoRa**. With your gateways and data loggers with dual or even triple communication at the same time. This ensures support of both - modern communication via LoRa and at the same time compatibility with already mature **M-Bus**, **wM-Bus**, **Modbus/BACnet** infrastructure.

DURABLE COMPOSITE FLOW BODY PART

E4 meter flow body part is made of durable, lighter, and high resistance composite material which allows implementing the latest manufacturing processes. The use of composite material leads to highly improved price efficiency for the customer.

LoRaWAN
CERTIFIED™

M-Bus
ASHRAE
WIRELESS

M-Bus

ASHRAE BACnet®

Modbus



COST-EFFECTIVE SOLUTION

CONSISTENT PERFORMANCE

Ultrasonic measurement without any moving mechanical parts ensures long-lasting and reliable operation. Comparing to mechanical meters, E4 meter demonstrates a long-term performance despite the quality of the water.

HIGH ACCURACY

With **class 2 of measuring accuracy**, E4 meter has up to R250 dynamic range which ensures correct billing across all the diameter range.

LONG-LIFE BATTERY

E4 meter has up to **16 years of battery life** (45% longer than the market average). Longer operation saves costs on premature meter replacements. An optional power supply module, which supports an external power supply is available.

DURABLE COMPOSITE MATERIAL

The use of **durable, lighter, and high resistance composite material** allows to optimize manufacturing costs and provide the most cost-efficient solution.

SUSTAINABILITY

The use of high-quality, non-metal composite material leads to **reduced usage of rare or toxic metals**. It also contributes to the lighter product weight, which helps to **reduce shipping costs and CO² emissions**.



VERSATILITY

VARIOUS COMMUNICATION METHODS

E4 meter **supports multiple wireless** (wM-Bus & LoRa) **and wired** (M-Bus, ModBus, BacNet & Pulse) **communication methods** to ensure compatibility with existing and future infrastructure.

INDIVIDUAL CUSTOMIZATIONS

E4 meter can be **customized to meet customer-specific needs** or tender requirements.

WATERPROOF HOUSING

Optional **IP65** or even **IP68** rated housings ensure smooth operations even in the most difficult conditions, i.e., during flooding, moisture, and condensation.

WIDE RANGE OF SIZES

Ranges available **from DN15 to DN32** to cover the most typical residential and commercial installation types.

MODULAR DESIGN

Optional modular version allows to replace temperature sensors or add additional modules. It also contributes to saving maintenance costs in case the meter is broken or damaged.

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