

# ULTRASONIC HEAT METER

## ULTC-15~20



The ultrasonic heat meter measures the flow volume and displays the heating or cooling energy released or absorbed by water flow when passing through the pipeline

The temperature range is 4~95°C.

Measurement unit: Kwh, Gcal, GJ.

Communication Interface choice:

1. M-BUS
2. RS-485
3. Pulse output

Advantage: Using the touch control technique, instead of using a machine type key, to have more dependable and easily attain the function of keystroke

### Features:

1. Lithium battery life: 10 years
2. Archive: 38 Months
3. Installation choice: Water supply pipeline or Water return pipeline
4. Installation: Horizontal/ Vertical
5. Accuracy: Class 2, meets EN1434
6. Top counter: Detachable
7. Measuring range (qs/qi =100:1)
8. Temperature sensor: PT 1000
9. Environment standard Class: A
10. Min. temperature difference: 3°C
11. Water pressure: ≤1.6Mpa

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### Models and Specifications

| Model       | Qn(m³/h) | Length(mm) | DN(mm) | Sensor length | Display       | Communication interface     | Class |
|-------------|----------|------------|--------|---------------|---------------|-----------------------------|-------|
| ULTC-15-0.6 | 0.6      | 110        | 15     | 1.5m          | Kwh, Gcal, GJ | M-BUS, RS-485, Pulse output | 2     |
| ULTC-15-1.5 | 1.5      | 110        | 15     | 1.5m          | Kwh, Gcal, GJ | M-BUS, RS-485, Pulse output | 2     |
| ULTC-20-2.5 | 2.5      | 130        | 20     | 1.5m          | Kwh, Gcal, GJ | M-BUS, RS-485, Pulse output | 2     |

### Main Technical Parameters:

|                        |      |       |      |      |
|------------------------|------|-------|------|------|
| Normal DN              | mm   | 15    | 15   | 20   |
| Qn                     | m³/h | 0.6   | 1.5  | 2.5  |
| Qmax                   | m³/h | 1.2   | 3    | 5    |
| Qmin                   | m³/h | 0.012 | 0.03 | 0.05 |
| Body thread            | ---- | G¾"B  | G¾"B | G1"B |
| Connection thread      | ---- | ½"    | ½"   | ¾"   |
| Height                 | mm   | 80    | 80   | 90   |
| Length                 | mm   | 110   | 110  | 130  |
| Pressure loss (KPa/Qp) |      | 4     | 18   | 11   |

