

ULTRASONIC HEAT METER

ULTE-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
4. LoRa/LoRaWAN(EU868,RU868,IN865,US915 and customized)
5. Water Meter Impulse output, connects Heat Meter, M-BUS/ RS-485 output
6. NB-IoT

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 ($q_s/q_i = 100:1$)
8. Temperature sensor: PT 1000
9. Environment standard Class: A
10. Min. temperature difference: 3°C
11. Water pressure: $\leq 1.6\text{Mpa}$

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Models and Specifications

Model	Qn(m³/h)	Length(mm)	DN(mm)	Sensor length	Display	Communication interface	Class
ULTE-15-0.6	0.6	110	15	1.5m	Kwh, Gcal, GJ	1.M-BUS 2.RS-485 3.Pulse output 4. LoRa/ LoRaWAN 5.Water Meter Impulse output, connects Heat Meter, M-BUS/RS-485 output 6.NB-IoT	2
ULTE-15-1.5	1.5	110	15	1.5m	Kwh, Gcal, GJ		2
ULTE-20-2.5	2.5	130	20	1.5m	Kwh, Gcal, GJ		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	85	85	95
Length	mm	110	110	130
Pressure loss (KPa/Qp)		4	18	11

