ULTRASONIC HEAT METER

ULTA-15~40



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 (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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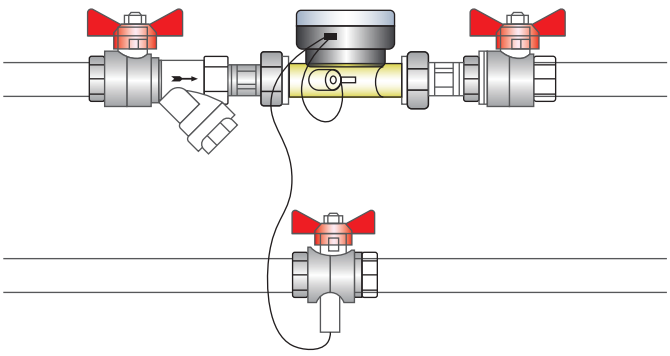
Models and Specifications

Model	Qn(m³/h)	Length(mm)	DN(mm)	Sensor length	Display	Communication interface	Class
ULTA-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
ULTA-15-1.5	1.5	110	15	1.5m	Kwh, Gcal, GJ		2
ULTA-20	2.5	130	20	1.5m	Kwh, Gcal, GJ		2
ULTA-25	3.5	160	25	1.5m	Kwh, Gcal, GJ		2
ULTA-32	6	180	32	1.5m	Kwh, Gcal, GJ		2
ULTA-40	10	200	40	1.5m	Kwh, Gcal, GJ		2

Main Technical Parameters:

Normal DN	mm	15	15	20	25	32	40
Qn	m³/h	0.6	1.5	2.5	3.5	6	10
Qmax	m³/h	1.2	3	5	7	12	20
Qmin	m³/h	0.012	0.03	0.05	0.07	0.12	0.2
Body thread	----	G¾"B	G¾"B	G1"B	G1¼"B	G1½"B	G2"B
Connection thread	----	½"	½"	¾"	1"	1¼"	1½"
Height	mm	85	85	95	105	105	115
Length	mm	110	110	130	160	180	200
Pressure loss (KPa/Qp)		4	18	11	20	22	22



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