Bove® Technology

ULTRASONIC HEAT METER

B12 VI-B

B12 VI-B, an outstanding ultrasonic heat meter ensuring high durability and excellent corrosion resistance. This heat meter offers precise measurement, making it a reliable choice for heat metering in various applications. It's easy to install and maintain, bringing convenience to users.

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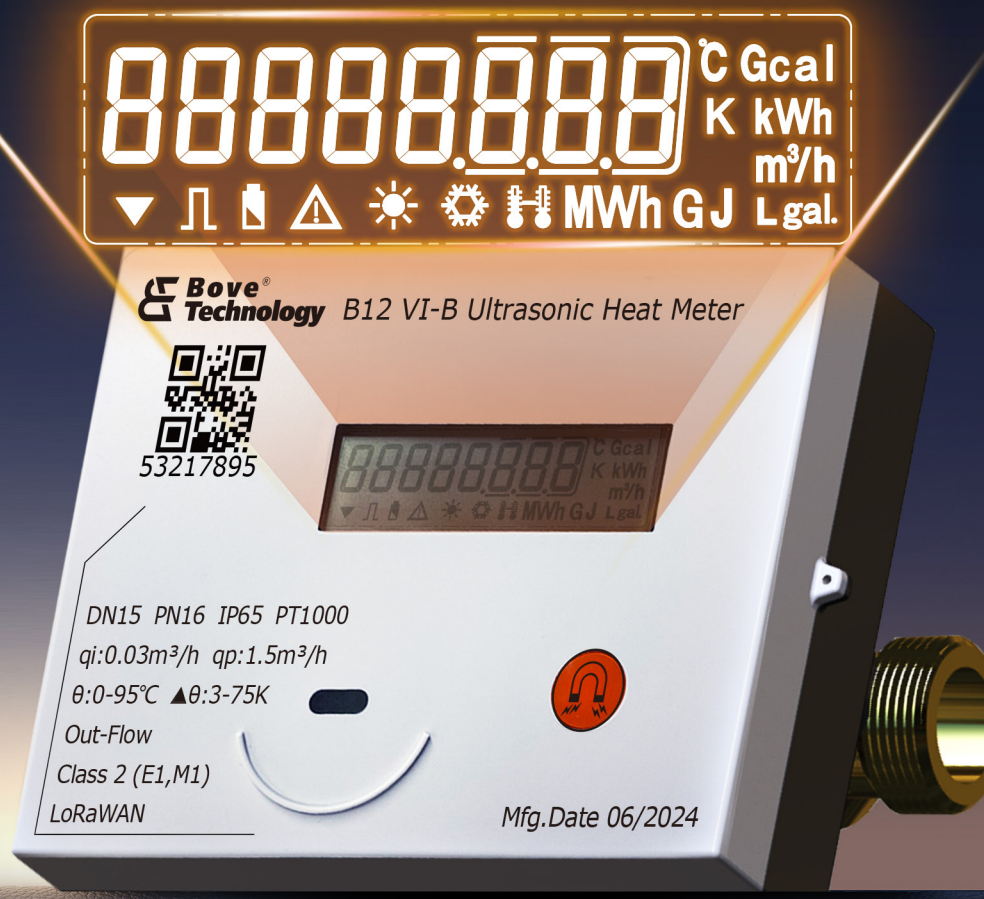
Reinforced Protection

Features brass pipe sections, engineered with no internal moving parts, boasts a robust design that ensures maintenance-free performance even in the harshest environments.

External antenna is optional

Engineered for exceptional durability, withstands impacts and even being run over by vehicles, ensuring superior signal transmission when the meter is installed beneath concrete, within metal enclosures, or in hard-to-reach corners with signal obstructions.



Heat / Cold Resistance

UV Resistance

High Durability

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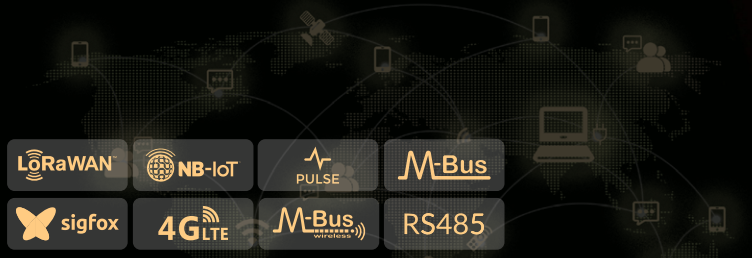
Split-type installation

Designed to meet diverse installation environments and data collection needs, this meter allows split - type installation. The meter body and pipe section can be installed separately, and the distance between them is customizable, ensuring high - flexibility and adaptability.

IoT Ready

Provides both wired and wireless communication, ensuring adaptability to different installation environment—such as M-Bus, RS485, Pulse, LoRaWAN, Sigfox, NB-IoT, GPRS, 4G, wMbus, LoRaWAN+wMbus, etc.



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BODY

ABS high durability material.

LCD

Comprehensive LCD functionality with protector.

PCBA

A strong core, endowed with remarkable precision - measurement acumen and multifaceted functionality.

PIPE

Brass or stainless steel material.

SECTIONAL VIEW

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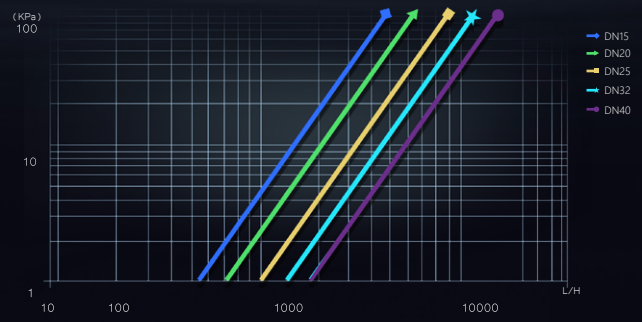
TECHNICAL SPECIFICATION

B12 VI-B Ultrasonic Heat Meter Pressure Loss



Model	B12 VI-B-15	B12 VI-B-20	B12 VI-B-25	B12 VI-B-32	B12 VI-B-40
Pipe Diameter	DN15	DN20	DN25	DN32	DN40
Minimum Flow Rate, qi (m^3/h)	0.02	0.05	0.07	0.12	0.2
Permanent Flow Rate, qp (m^3/h)	1.5	2.5	3.5	6	10
Maximum Flow Rate, (m^3/h)	3	5	7	12	20
Overload Flow Rate, (m^3/h)	4.5	6.5	10	18	24
Connection	G¾"	G1"	G1¼"	G1½"	G2"
Length (mm)	110	130	160	180	200
Width (mm)	96	105	114	120	130
Temperature	Range: 4℃ - 95℃, T: 3k - 65k				
Temperature Sensor	A pair of PT1000 platinum resistor				
Metrological Class	Class 2, (EN1434)				
Maximum Operation Pressure	1.6Mpa				
Pressure Loss	▵P<25kPa at qp				
Pressure Stage	PN16				
Protection Class	IP65				
Battery	10- 16 years service life				
Data Storage	• 36 months history data, including accumulated heat energy and volume,etc. • Total heat energy, volume, running hours,etc..				
Operating Temperature	-30℃ - 55℃				
Interface & Communication	• M-Bus • Pulse • RS485 • LoRaWAN • Sigfox • NB-IoT • 4G • GPRS • wMbus • LoRaWAN+wMbus				
Installation	Horizontal or Vertical				
Display and Indication	• Unit: kWh, MWh, GJ (optional) • LCD: 8-digit (back illumination) • Accumulated: 0.1kWh-9999999.9kWh.				
Standard Compliance	• EN1434 • OIML R 75				
Certification	• CE				

Bove® Technology

Creating an Eco Society

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