

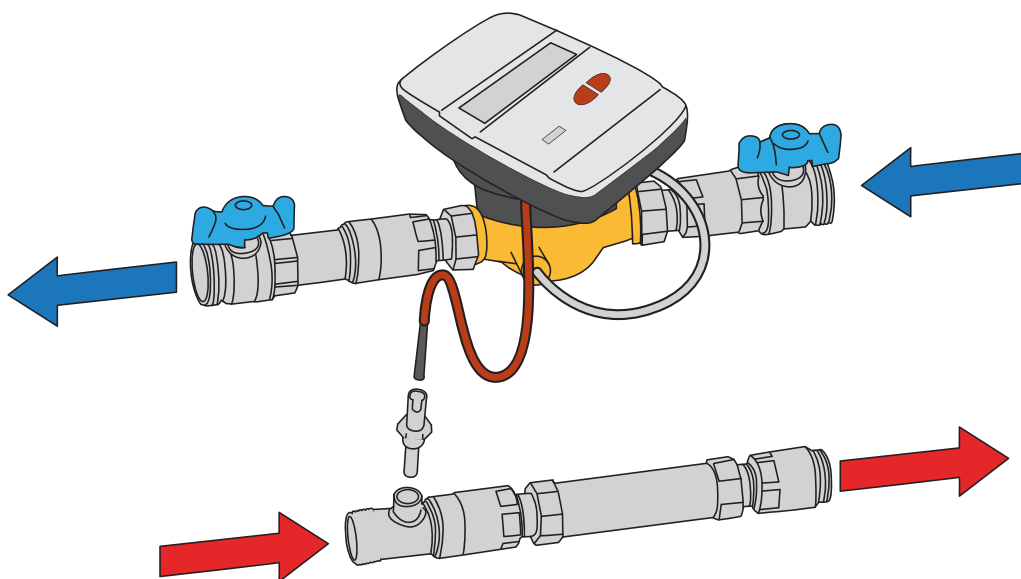


HYDROCAL M3

Compact thermal energy meter

HYDROCAL-M3 is a compact thermal energy meter that measures the amount of energy used for heating or cooling the water supplied to individual tenants served by centralised heating/cooling systems.

The processing of data related to the difference between the temperature of the supply and that of the return, along with the data related to the volume of water used by each tenant, allows to calculate the exact amount of energy actually used.



Standard version for installation on the return pipe.

Version for installation on the flow pipe available upon request.

TECHNICAL FEATURES

Nominal diameter	DN15 G 3/4"	DN15 G 3/4"	DN20 G 1"
Length	110 mm	110 mm	130 mm
Nominal flow rate	0.6 m ³ /h	1.5 m ³ /h	2.5 m ³ /h
Max flow rate	1.2 m ³ /h	3.0 m ³ /h	5.0 m ³ /h
Min flow rate	24 l/h	30 l/h	50 l/h
Accuracy	Class 2	Class 2	Class 2
Range Qp/Qi (H/V)	25	25	25
Environmental class	A (E1; M1)	A (E1; M1)	A (E1; M1)
Pressure lost at Qp	≤ 0.25 bar	≤ 0.25 bar	≤ 0.25 bar
Nominal pressure	16 bar	16 bar	16 bar
Temperature measuring range (Heating)	5 – 90 °C	5 – 90 °C	5 – 90 °C
Temperature difference range (Heating)	3 – 70 K	3 – 70 K	3 – 70 K
Temperature measuring range (cooling)	0.2 – 24°C	0.2 – 24°C	0.2 – 24°C
Calibration temperature (cooling)	0.2 – 20K	0.2 – 20K	0.2 – 20K
Temperature sensor type	PT 1000	PT 1000	PT 1000
Cable length for the temperature sensor	1.5 m	1.5 m	1.5 m
Power supply	lithium battery	lithium battery	lithium battery
Max. battery life basic version / radio version	10+1 years / 6 years	10+1 years / 6 years	10+1 years / 6 years
Protection class	IP54	IP54	IP54
Display level	6	6	6
Display	LCD 8 digits + icons	LCD 8 digits + icons	LCD 8 digits + icons
Energy Units	MWh (GJ on request)	MWh (GJ on request)	MWh (GJ on request)



DESIGNING, PRODUCING AND DISTRIBUTING SOLUTIONS FOR OVER 25 YEARS

B METERS is an Italian company that has been designing, producing and distributing instruments and solutions for measuring the consumption of water and thermal energy used for heating and cooling, for over 25 years.

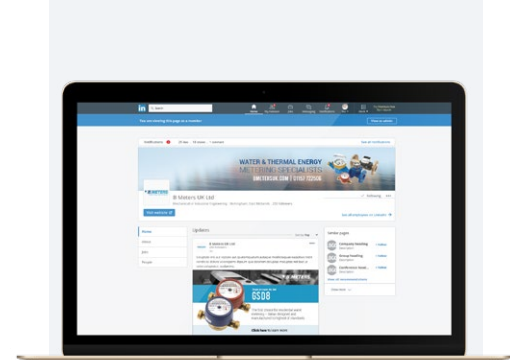
The yearly production currently exceeds 1,800,000 units, putting B METERS in a leading position both at national and European level.

The product range includes turbine (velocity) type single and multi-jet water meters with mechanical or magnetic transmission, Woltmann meters, irrigation meters, flow meters, thermal energy meters and heat cost allocators with direct reading, or complete with integrated modules for the remote transmission of the consumption data.



EN 1434

EN 834



**FOLLOW BMETERS ON LINKEDIN,
KEEP UP-TO-DATE WITH ALL
LATEST NEWS AND PRODUCT
INFORMATION**

THE BMETERS RANGE



WATER METERS



THERMAL ENERGY METERS



READING SYSTEMS



M-BUS SOLUTIONS