

HYDRUS Ultrasonic Hot Water Meter - 25mm

Static ultrasonic water meter for accurate measuring and recording for all hot water applications.

EHM9025

FEATURES

- Open metering telegram
- Long-term stability under difficult conditions
- Leak detection
- Higher performance than class 2 requirements
- No calming sections required
- No measurement of air
- Design minimises sedimentation
- Mounting in any installation position
- Battery lifetime up to 16 years
- IP 68 permanent immersion
- Suitable for outdoor installation
- Displaying of error and alarm codes
- No over-run performance
- No magnetic influence
- Data logger for consumption values

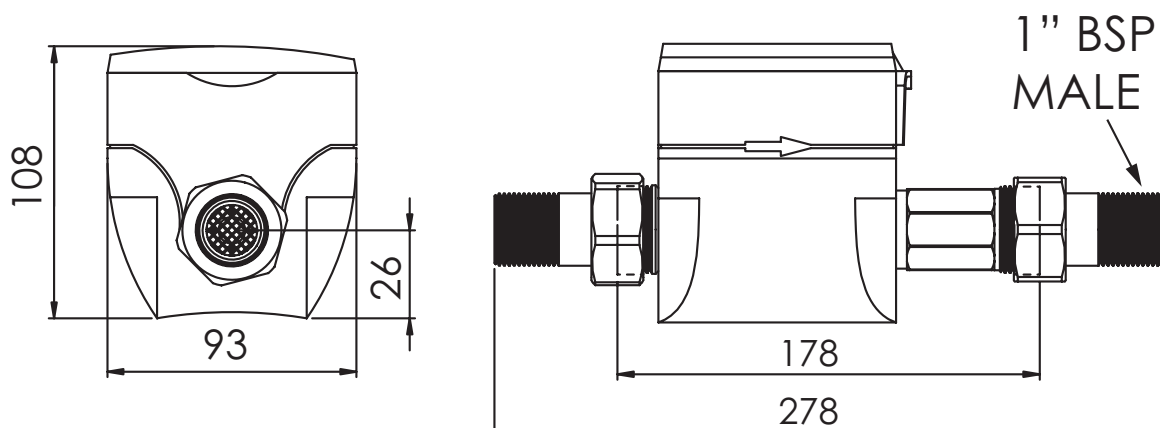


Product Codes

EHM9025VR	DN25 with Nut & Tail thread, dual check valve and radio
EHM9025VL	DN25 with Nut & Tail thread, dual check valve and radio/L-Bus + Pulse
EHM9025VM	DN25 with Nut & Tail thread, dual check valve and M-Bus

General Data

Medium temperature range	1 - 90°C	Data storage	For events and for consumption values
Temperature safety	1 - 120°C	Approval	NMI R49, AS3565.1, AS3565.3
Ambient operating temperature	1 - 70°C	Strainer	Included
Ambient storage temperature	-20 - +50°C	Check Valve	Dual Check Valve
Nominal pressure	1600 kPa	Couplings	2
Power supply	Two 3.6 VDC lithium batteries	Protection class	IP 68
Battery lifetime	Up to 16 years	Accuracy class	2
Interfaces	Optical, radio 434 MHz		



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Technical Data Display

Display indication	LCD, 8-digit							
Unit	kL/hr	L/hr	kL	L	°C	°F	hr	d
Values displayed	Current total volume, Current flow rate, Remaining battery life (date), Error and alarms, Software version, Display test							

Interfaces

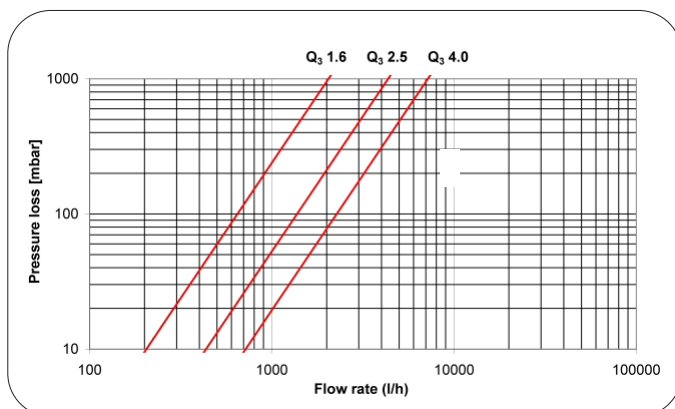
Optical (standard)	For configuration of display and radio telegram, for testing optical test pulses, to switch to the various displays (standard on all meters)
Radio (stocked)	434 MHz, real data telegram (configurable), Open Metering Standard
M-Bus	Automatic baud rate detection, configurable telegram, cable length 1.5 m
L-Bus/Pulse	In combination with radio, Pulse configuration 10L per pulse Cable length 1.5 m



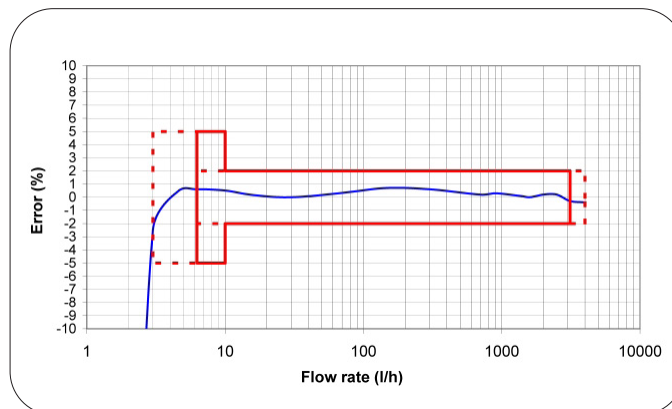
Technical Data

SIZE	MAXIMUM CONTINUOUS FLOW RATE (L/HOUR)	FLOW RATE RATIO	FLOW RATES (L/HOUR)			END CONNECTION
DN	Q3	Q1/Q3	Q1	Q2	Q4	Coupling
25	6300	200	31.5	50.4	7875	25mm (1" BSP) male
		250	25.2	40.3		
		315	20	32		
		400	15.75	25.2		

Pressure Loss Graph



Typical Error Graph



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