

HYDRUS Ultrasonic Hot Water Meter

EHM9020

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

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

OPTIONS

HYDRUS stocked with single check valve and radio. Other communication options on indent.

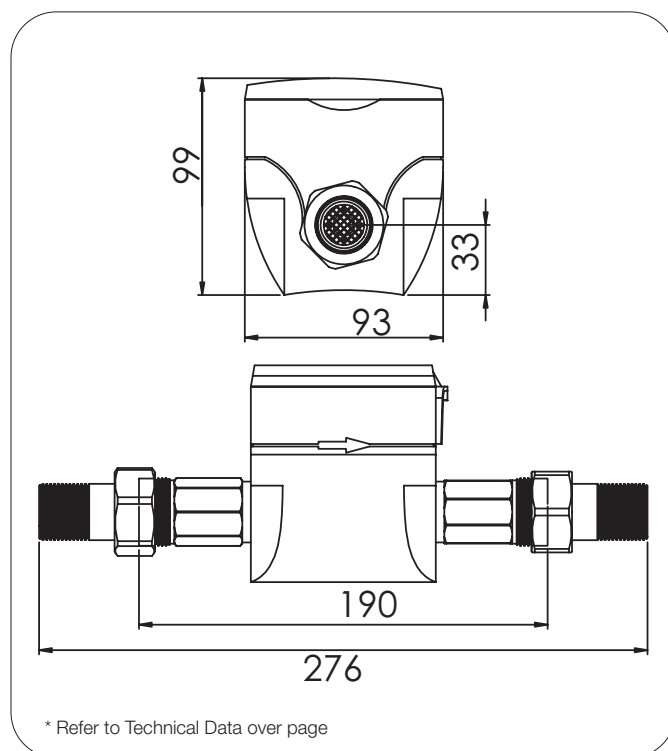


Product Codes

EHM9020VR	DN20 with Nut & Tail thread, single check valve and radio
EHM9020VL	DN20 with Nut & Tail thread, single check valve & radio/L-Bus
EHM9020VM	DN20 with Nut & Tail thread, single check valve and M-Bus

Technical Data

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



* Refer to Technical Data over page

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 **ENWARE**

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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

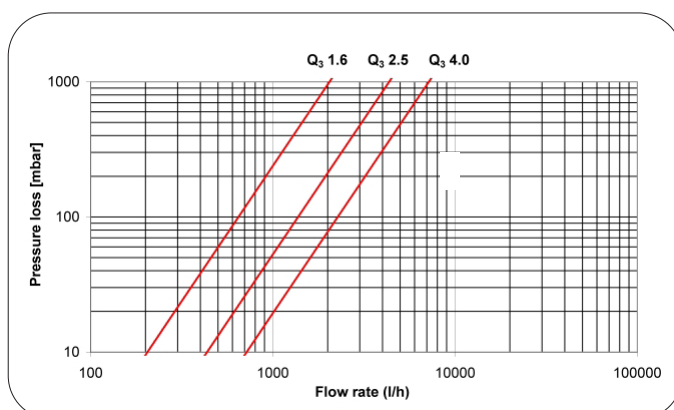
Optical (standard)	For configuration of display and radio telegram, for testing optical test pulses, to switch to the various displays (standard on all meters)
Radio (stocked)	434 MHz, real data telegram (configurable), Open Metering Standard
M-Bus	Automatic baud rate detection, configurable telegram,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



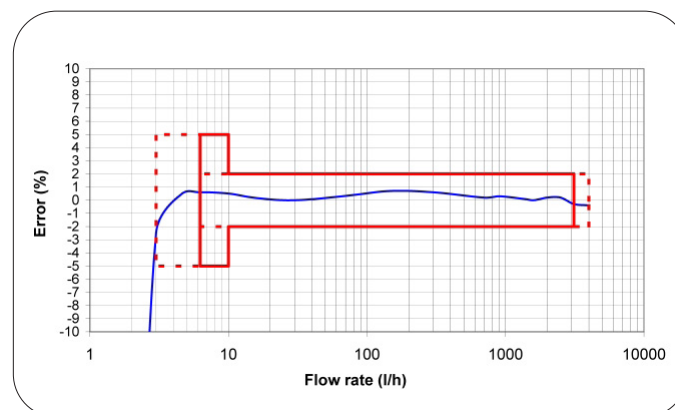
Technical Data

SIZE		FLOW RATES (l/hour)				METER LENGTH (mm)		END CONNECTION	
DN	Q3	Q3/Q1	Q1	Q2	Q4	L1	L2	Meter	Coupling
20	4000	200	20	32	5000	190	290	G1B	R3/4
		250	16	25.6					
		315	12.7	20.3					
		400	10	16					

Pressure Loss Graph



Typical Error Graph



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