

HYDRUS Ultrasonic Hot Water Meter - 40mm

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

EHM9040

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

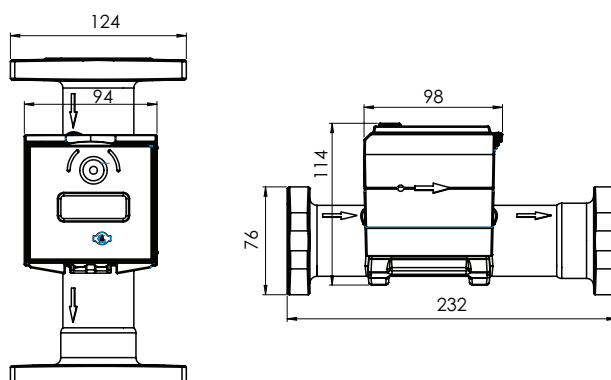


Product Codes

EHM9040FR	DN40 with oval flange kit, check valve and radio
EHM9040FL	DN40 with oval flange kit, check valve and radio/L-Bus + Pulse
EHM9040FM	DN40 with oval flange kit, 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	Single Check
Nominal pressure	1600 kPa	Connection	Oval flange kit
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, M-Bus, L-Bus, pulse		



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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

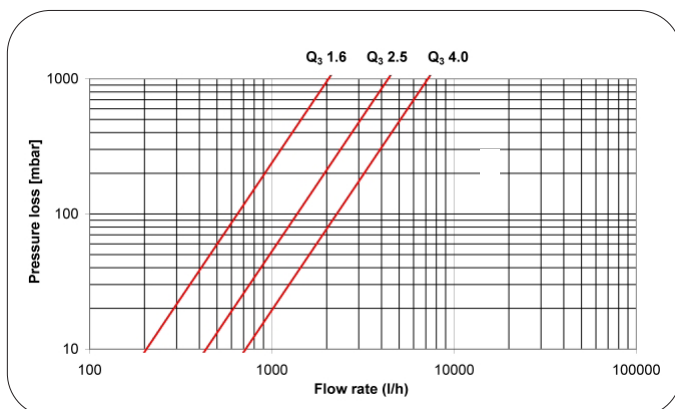
Optical (standard)	For configuration of display and radio telegram, for testing optical test pulses, to switch to the various displays (standard on all meters)
Radio (stocked)	434 MHz, real data telegram (configurable), Open Metering Standard
M-Bus	Automatic baud rate detection, configurable telegram, 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



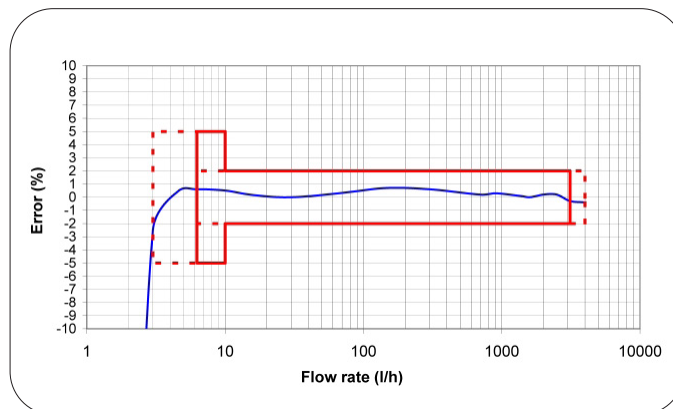
Technical Data

SIZE	MAXIMUM CONTINUOUS FLOW RATE (L/HOUR)	FLOW RATE RATIO	FLOW RATES (L/HOUR)			END CONNECTION
DN	Q3	Q1/Q3	Q1	Q2	Q4	Oval Flange
40	16000	200	80	128	20000	40mm
		250	64	102.4		
		315	50.79	81.26		
		400	40	64		

Pressure Loss Graph



Typical Error Graph



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