



V100 (PSM)
Elster Honeywell
Brass
Volumetric Positive Displacement
Cold Water Meter
BSP Threaded



The V100 (formally PSM) is a robust water meter designed for the measurement of cold potable water that offers accuracy, long maintenance-free life and tamper resistance.

This meter operates on the volumetric rotary piston measurement principle and can achieve the highest levels of reading accuracy even at the lowest flow rate.

The meter can be installed in any position maintaining optimum performance with no loss of accuracy.

Optional retro-fit pulse probes are available for connection to dataloggers, BMS systems and remote displays.

Approvals, Features & Benefits

- MID 2004/22/EC
- OIML R49, EN14154, ISO4064
- WRAS approved product
- Robust & tamper resistant
- Easy to read counter
- Built-in reverse flow restrictor
- Optional pulse output facility

Pressure & Temperature

Maximum pressure:-
16 bar

Maximum temperature:-
30°C

Size		15	20	25	30	
A		134	165	199	260	
B		86	86	104	120	
C		228	267	311	370	
D (BSPP)		¾	1	1¼	1½	
E (BSPT)		½	¾	1	1¼	
Weight Kg		1.2	1.3	2.5	4	
MID Flow Range*	Q₃/Q₁	R160	R160	R200	R160	
Min Flow Rate	Q₁ ± 5%	l/h	15.625	25	31.5	62.5
Transitional Flow Rate	Q₂ ± 2%	l/h	25	40	63	100
Max Permanent Flow Rate	Q₃ ± 2%	m ³ /h	2.5	4	6.3	10
Max Overload Flow Rate	Q₄ ± 2%	m ³ /h	3.125	5	7.875	12.5
Starting Flow	Approx.	l/h	2	2	6	12
Maximum Registration		m ³	9999.9999	9999.9999	99999.9999	99999.9999
Pulse Output		pulse/litre	1/0.5	1/0.5	1/5	1/5
Pressure Headloss	at Q₃	Bar	<0.63	<0.63	<0.63	<0.63

* Supersedes BS5728 Class C

Optional Reed Switch Pulse Units. Can be retro-fitted to meters already installed.

Part No.	Type	Output		Pulse Wiring	Tamper Wiring
		15-20mm	25-40mm		
T110	T Probe (TL2 Variant)	1 pulse / 0.5 litre	1 pulse / 5 litres	Red & Blue**	Black & Yellow**
JTA4600	T Probe c/w Pulse Splitter	1 pulse / 0.5 litre	1 pulse / 5 litres	Red (+) & Black (-)	Blue & Yellow**

** Not polarity sensitive