

H4000 Woltmann cold water meter

Accurate, robust metering

- Woltmann meter WP for cold water
- Wear resistant rotor bearing (tungsten carbide/sapphire)
- Universal installation position
- Reverse flow measurement within the error limits
- Interchangeable measuring insert
- Water proof register IP68
- e^{sens} communication interface
- Meter bodies according to WS and WP type length

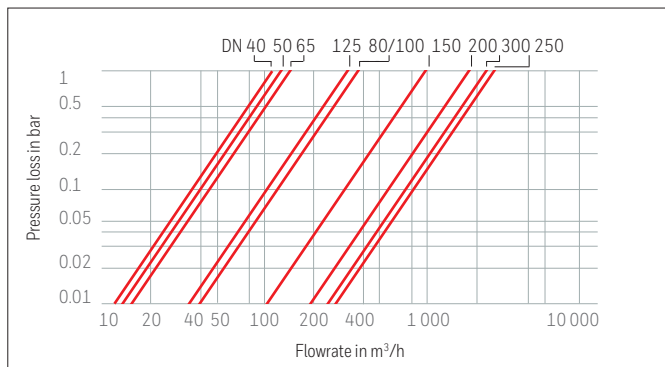


EU type examination certificate
SK-09-M1001-SMU008

Performance characteristics

Nominal size / connection flange	DN	mm	40	50	65	80	100	125	150	200	250	300
Permanent flowrate	Q ₃	m³/h	63			160			400	630	1000	1600
Overload flowrate	Q ₄	m³/h	79			200			500	788	1250	2000
Transitional flowrate	Q ₂	m³/h	0.81		1.6	2.05			3.2	6.35	10	20.48
Minimum flowrate	Q ₁	m³/h	0.5		1	1.28			2	4	6.25	12.8
Measuring range	Q ₃ / Q ₁	R	125		63	125			200	160	160	125
Starting flow	Q _s	m³/h	0.15	0.16	0.17	0.22	0.25		0.9	1.2	1.8	1.8
Maximum admissible temperature	MAT	°C	50									
Maximum admissible pressure	MAP	bar	16									
Headloss at Q ₃	Δp	bar	0.39	0.24	0.19	0.18		0.24	0.15	0.12	0.15	0.37
Pressure loss class	Δp	bar	0.4	0.25					0.16			0.4
Flow capacity	at 1 bar pressure loss	m³/h	109	129	145	377		327	1033	1819	2582	2630
Calming zone	upstream/downstream		U3/D0								U5/D0	
Installation position	all, but not head down											
Climatic environment	closed spaces., 5 °C to 55 °C											
Mechanical environment	M1											
Electromagnetic environment	E1											

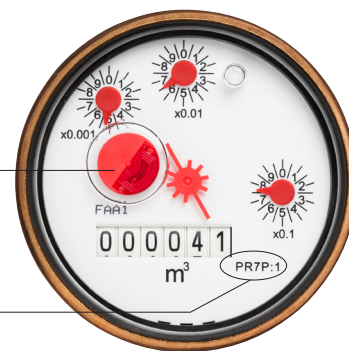
H4000 Woltmann meter Technical data



Top view of the register
(variant shown DN 50 to 125)

eSens communication
interface for PR7 modules

Meter pulse factor;
in this example 1 liter
(to be multiplied with
the pulse unit k-factor)



Dimensions

Nominal size / connection flange	DN	mm	40	50	65	80	100	125	150	200	250	300
A Length WS (DIN/ISO)		mm	-/300	270/300	300	300/350	360/350	—	500			
A Length WP (DIN/ISO)		mm	—	200	200	225/200	250	250	300	350	450	500
B Height		mm	78		86	94	106	118	135	165	198	225
D Height		mm	148		159		206		228	246		
E Height (lid opened)		mm	236		247		294		316	334		
Height to fit measuring insert		mm	274		285		470		635		660	
Flange diameter		mm	151	166	186	201	228	251	286	341	409	461
C Flange drilling		mm	EN1092-1 PN16, others on request									
Weight WS (DIN/ISO)		kg	—	12.8/13.1	14.4	16.0/16.5	21.3/21	—	43.5			
Weight WP (DIN/ISO)		kg	11.8	12.2	13	14.1/14.5	19.4	20.5	37.5	47.5	82	104

Communication modules

Falcon pulse module (dual output)	PR7
Falcon radio module	TPR7
Falcon MBus module	PR7M

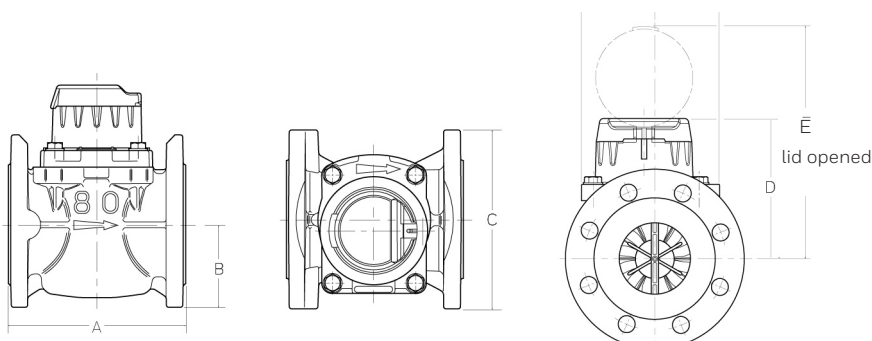
(techn. data see relevant data sheet)



Available pulse weights per pulse module PR7

DN 50 - 125	litres/pulse	Channel 1/Channel 2	1/10, 1/100, 1/1000, 10/10
DN 150 - 300	litres/pulse	Channel 1/Channel 2	10/100, 10/1000, 10/10000, 100/100

Dimensional drawing



For further information visit:
www.elstermetering.com

Paul Peuser GmbH

water meters • measurement • metering units

Distributor of the **Honeywell** Messtechnik GmbH

Ronsdorfer Street 53

40233 Düsseldorf

Tel.: +49 (0) 211 346731 u. +49 (0) 211 342058 - Fax: +49 (0) 211 312453

E-Mail: service@paulpeuser.de

Internet: www.paulpeuser.de



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