



Q4000

**Elster Honeywell
Stainless Steel
Electromagnetic
Water Meter**

Flange Wafer Type
PN10/16, ANSI150, BST D & E



The Elster Q4000 Electromagnetic water meter provides consistent accuracy over a wide flow rate measuring range. It has an unrestricted flow tube with no moving parts.

Real time data is displayed on an easy-to-read LCD, showing volume and instantaneous flow rates.

All Q4000 meters are supplied with their own installation kit, including studding, nuts, washers and gaskets.

Approvals, Features & Benefits

- MID 2004/22/EC
- CEN PR14154, ISO4064, OIML R49
- WRAS approved product
- Lightweight & easy to install
- Suitable for water with above average solids
- Optional pulse & remote display

Pressure & Temperature

Maximum pressure:-
16 bar

Maximum temperature:-
70°C

Size		DN50	DN65	DN80	DN100	DN125	DN150	DN200
A		200	200	200	250	250	300	350
B		102	121	133	159	190	216	272
C		258	278	289	314	345	400	455
Weight Kg		4.5	5	5.5	6.5	7.5	9.5	15
MID Flow Range	Q₃/Q₁	R200	R200	R200	R200	R200	R200	R200
Min Flow Rate	Q₁ ± 5% l/h	0.10	0.16	0.25	0.40	0.63	1.0	1.6
Transitional Flow Rate	Q₂ ± 2% l/h	0.16	0.26	0.40	0.64	1.0	1.6	2.6
Max Permanent Flow Rate	Q₃ ± 2% m ³ /h	40	63	100	160	250	400	630
Max Overload Flow Rate	Q₄ ± 2% m ³ /h	50	79	125	200	313	500	788
Pressure Headloss	at Q₃ Bar	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1



Register & Display

Volume An integrating value displays the net volume of water measured

Flow rate If water is flowing in the reverse direction a minus sign is displayed to the left of the values

Low-battery Indicator will appear when the battery voltage is low and the meter should be replaced

No-water The indicator will blink when there is an empty pipe or no water in the meter



SPA7047 - Remote Display (Optional)

The Q4000 remote display unit provides the ability to see the actual reading and flow rates from the meter. The unit is self powered using its own batteries. An encoded signal is used to communicate between the meter and remote display to ensure that the two display are always identical. The display is rated to IP63 and has a battery life of 10 years.

Contact us for pulse data for connection to the remote display as they differ to the standard modules.

Standard Communications Modules

Type	Part No.	Output		Cable Length
		Primary Channel	Secondary Channel	
Pulse	SPA7001	1 pulse/1 litre*	1 pulse/1 litre*	10 M
Pulse	SPA7002	1 pulse/10 litres	1 pulse/10 litres	10 M
Pulse	SPA7003	1 pulse/100 litres	1 pulse/100 litres	10 M
Pulse	SPA7004	1 pulse/1000 litres	1 pulse/1000 litres	10 M

* DN150-200 versions = 1 pulse/10 litres

Additional Data

Battery Life	10 years at 30°C ambient
Sampling Rate	0.5 Seconds Fixed
Water Conductivity	50µS/cm or more
Water Proofing	IP68
Installation Kit	Extended bolts, nuts & washers