

Beverage meter

Technical Product data sheet



Beverage meter



This flowmeter is designed specifically for the drinks dispense industries including beer wines and spirits. They give high performance and competitive pricing with a flow range up to 10 litres per minute. They have totally non-metallic wetted components which makes them the ideal choice for the metering of food based products and even ultra-pure water. The standard inlet tubes are $\frac{3}{8}$ " push on pipe connectors, for OEM use alternatives are available.

The bearings are made of sapphire for long life and reliability, the body is moulded in a choice of thermo-plastics (PVDF as standard) and the 'O' ring seal is typically Viton™.

At the heart of the meter is a precision turbine that rotates freely on robust sapphire bearings and it contains chemically resistant ceramic magnets that are detected through the chamber wall by a Hall Effect detector. The output is a stream of NPN pulses that are directly interfaced with the electronic display. This combination of materials and technology ensures a long life product with reliable operation throughout.

Features

- Low cost
- PVDF body
- Sapphire bearings
- Hall Effect sensor
- Pulse output
- 10 Bar rating
- Viton™ seal as std.
- $\frac{3}{8}$ " John Guest style
- 0.1% Repeatability
- 5 to 24 V dc
- 0.150 kg

Ideal for

- ◆ Drinks dispensing
- ◆ Beer monitoring
- ◆ Cooling equipment
- ◆ Semiconductor plant

Model	Flow range L/Min	Linearity % FSD	Typical Freq. Hz.	Approx. 'K' Factor
300-010	0.6 - 10	1.0	235	1420

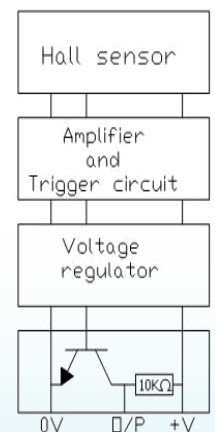
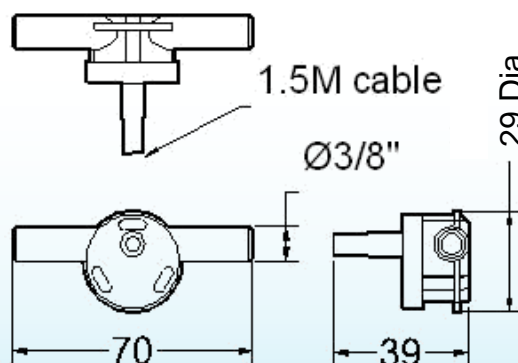
Standard Materials of Construction

Body and cap - PVDF

'O' Ring seal - Viton

Magnets - Ceramic

Bearings - Sapphire



Sensor block diagram



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