

Flowcal
Unit 4
Ham Business Centre
Brighton Road
Shoreham-by-Sea
West Sussex
BN43 6RE

The logo for Flowcal, featuring the word "Flowcal" in a blue, sans-serif font. The letters are slightly shadowed and set against a background of concentric blue circles that resemble ripples in water.

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www.flowcal.co.uk

Hire

Specification Sheet Turbine Meter Specification Sheet

This range of flowmeters will offer a high accuracy and high repeatability way of measuring liquid flow and batch quantity over a flowrate range of 1 – 500 litres/min.



They are designed for liquid flow measurement on fluids such as water, antifreeze, light oils, solvents and low viscosity solutions. They are often used to measure flows and batch volumes for pump testing, engine testing, filling vessels and other measurement processes where a reliable flow measurement is required.

Principle of Operation

Liquid passing through the flowmeter, spins the rotor, the magnetic sensor picks up the passing blade, which then provides a sinusoidal voltage of between 50 – 3000 mV. The output frequency is proportional to the fluid flow rate. The signal can be read using an oscilloscope, suitable signal conditioning unit and/or a suitable off the shelf indicator.

Calibration

Each meter is individually calibrated on water and issued with a traceable calibration certificate. Optional calibrations can be accommodated on oil and to UKAS standards.

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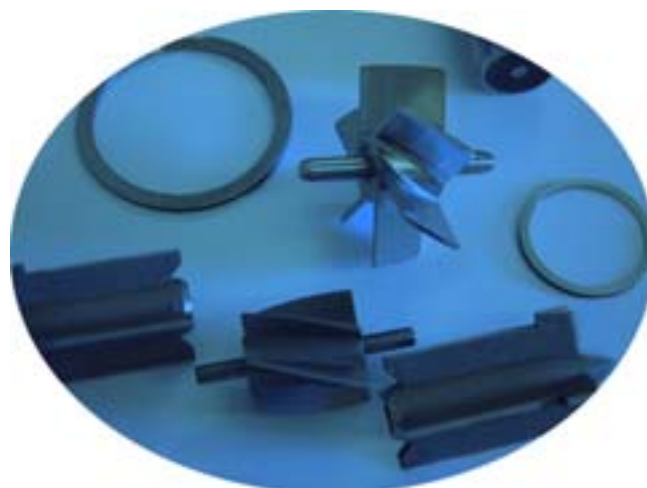
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Range

Model	Size	Connections	Flow Range
CT1	3/8"	1" BSP	1-11 litres/Min
CT2	1/2"	1" BSP	2-28 litres/Min
CT3	3/4"	1" BSP	8-56 litres/Min
CT4	7/8"	1" BSP	10-112 litres/Min
CT5	1"	1" BSP	18-190 litres/Min
CT6	1 1/2"	1 1/2" BSP	40-500 litres/Min
CTX		Made to order	

Construction

Machined from solid to precision tolerances, and manufactured throughout in stainless steel, ensures the meter is of high quality, corrosion resistant and highly durable. Bearings come in various materials depending on application. Standard units are rated for 120°C and 25 bar, with option for 180°C rating, and up to 300 bar.



General Specification

Linearity	< 1%
Repeatability	< 0.2%
Temperature Range	120°C 180°C High temp pick optional
Pressure Range	25 –300 bar Max
Pressure Drop	0.5 bar at maximum flow
Body Connections	BSP Parallel thread
Output Signal	30 – 3000 mV sine wave
Electrical Connections	2 Pin Mil Socket

If you require any further information or have any queries on the product, please contact us.