



Utilising patented technology that enables it to operate with excellent accuracy over very wide flow ranges, across the whole span.



IDEAL FOR

- Drink dispensing
- Laboratory tests
- Cooling equipment
- Active flow alarms
- Semiconductor plant
- OEM applications
- Pilot plant
- Fuel cells
- Pharmaceutical
- Chemical & petrochemical

FEATURES

- Choice of materials
- $\pm 1.0\%$ of reading and $\pm 0.1\%$ repeatability
- 4 Flow ranges
- Pulse output
- USB interface
- 10/30 bar rating
- Choice of end fittings & connectivity
- 10-24 VDC
- 60°C or 110°C max to match flow temperature range
- 200:1 turndown
- Non metallic options

The Atrato range of inline flowmeters is a genuine breakthrough in flowmeter technology. Its rugged, clean bore construction makes the Atrato ideal for a whole range of low flow applications, and its USB port allows software connectivity at literally the touch of a button. Its signal processing system permits flow measurement across the whole Reynolds number range allowing both viscous and non-viscous products to be metered accurately.

Model	Flow Range L/Min	Linearity % of reading	Maximum frequency Hz	Pulses per litre (factory setting)
710	0.002 – 0.5	± 1.0	1000	40000
720	0.07 – 1.7	± 1.0	1000	10000
740	0.02 – 5.0	± 1.0	1000	4000
760	0.1 – 20.0	± 1.0	1000	1000



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Linearity	±1.0% of reading over flow range
Repeatability	±0.1% from 25% to 100% ±0.5% from 0 to 25%
Housing	IP54
Temperature range or	-10 to 60°C assembly with enclosed electronics -10 to 110°C sensor only (for use with remote electronics) -10 to 60°C remote electronics
Fluid temperature range	-10 to 60°C or -10 to 110°C with remote electronics
Storage temperature	-20 to 110°C
Pressure rating	10 bar standard, 30 bar with stainless steel end fittings
Pulse output	PNP or NPN maximum frequency 1000 Hz
Relay	24 Vdc 500mA max non inductive
PIN 6 Transistor output	PNP 24 V @ 20mA maximum
input	Pull down resistor required (10K ohm)
PIN 7 Transistor output	NPN 24 V @ 20mA maximum
input	Pull up resistor required (10K ohm)
LCD display	Reflective 6 x 8mm high main characters 2.5mm enunciators Gal. cc. Kg. gms. Ltr. /min /Hr /Sec
4 – 20mA output	into 250 ohm maximum 14 bit resolution ±0.1% linearity (plus flowmeter accuracy)
0 – 10 Volt output	14 bit resolution (14 V dc min supply voltage) ±0.1% linearity (plus flowmeter accuracy)
0 – 5 Volt output	12 bit resolution
USB	TypeA connector Windows XP or later
Wiring terminals	1mm maximum
Power supply	10 – 24 Vdc (15 -24 Vdc for 4-20mA or 0-10 V)
Power consumption	110mA (plus analogue output current)
Connections	1/2" BSP male PEEK or 1/2" NPT or BSP 316 stainless steel. 3/8" John Guest push-in
Wetted materials	Peek, 316 stainless steel, Borosilicate glass Choice of elastomers