

Atrato® Ultrasonic Beverage Meter



IDEAL FOR

- Drinks dispensing
- Beer monitoring
- Cooling equipment
- Food and beverage
- Batching
- Laboratory / Pharmaceutical processes



FEATURES

- Ultrasonic flow measurement
- Food contact approved materials
- Straight and clear 6mm bore
- Slimline design for python installation
- 5 bar rating
- 3/8" John Guest push-on fittings
- Low cost
- $\pm 0.5\%$ FSD Linearity
- LED indicator
- 0 - 50°C Max
- 2m flying lead cable

The low-cost, clean bore Atrato® Ultrasonic Beverage meter is the latest addition to Titan's Atrato® range of ultrasonic flowmeters. Designed primarily for drink dispensing industries and suitable for beer, wine, spirits and juice extracts, this high performance in-line beverage meter uses Titan's patented 'time-of-flight' ultrasonic technology.

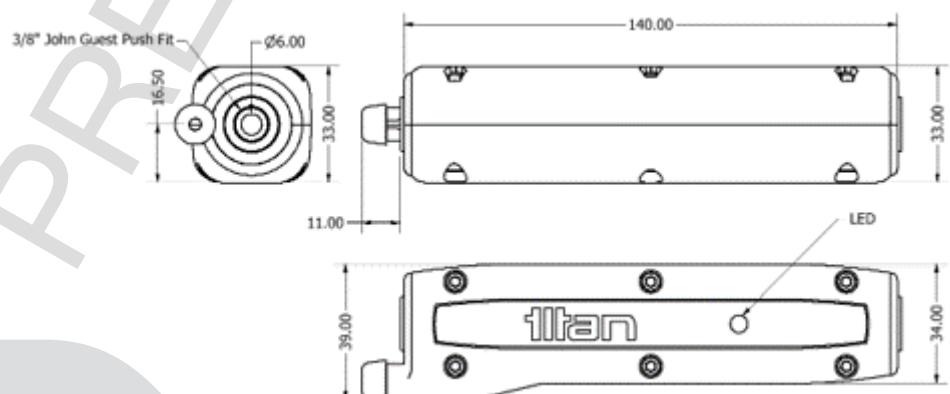
With a flow range of 0.5 up to 10 litres per minute, the ultrasonic beverage meter produces a pulse output, the total of which is proportional to the total flow through the device. Boasting totally non-metallic, food-grade wetted components and a clear, unobstructed bore, the ultrasonic beverage meter emerges as the optimal choice for metering food-based products, as well as ultra-pure water.

As a clean bore with no changes in bore dimensions or direction within the meter, it is suitable for all types of line cleaning, including foam pellets which pass straight through to clean the whole bore.

Equipped with 3/8" push-on John Guest pipe connectors as standard end fittings, and a two-meter-long flying lead cable, the Atrato® Ultrasonic Beverage meter redefines efficiency and reliability in beverage measurement.

Ordering Code

300-100





TECHNICAL SPECIFICATIONS

Accuracy	Flow range	0.5 - 10 L/min
	Linearity	±0.5% FSD
Temperature range		0 - 15°C (for best results) Up to 50°C useable range
Repeatability		Better than 1% at 250ml batches
Sensor to sensor variation		±5%
Supply voltage		7 - 24Vdc (Recommend 12Vdc)
Current		40mA (typical)
Output		Open collector (NPN pulse) 50mV maximum load
Max Pressure		5 bar
Calibration		Unit is uncalibrated as standard
'K' Factor		Approximately 5000 pulse per litre (may be customised for high volume sales)
Max Frequency		833Hz
Pressure drop at full flow		0.1 bar
Bore		6mm
Wetted Materials		Food-grade PC/ABS polymer flow tube and Viton™ seals
Cable		2m flying lead
Weight		0.250kg (with cable)



The preferred orientation for installation is for upward flow with the cable entry - which is also the inlet - at the bottom. The standard meter does not register reverse flow.

Green LED Indicator:

- Powered ready to measure > constant lit LED
- Flow measured > 50:50 flash in proportion to flow rate
- Empty pipe > short flashes 1 second apart
- Fault > 3 short flashes, 3 long flashes, 3 short flashes

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