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Low Flow Ultrasonic Flowmeters

Titan Enterprises is a leading international manufacturer of ultrasonic flowmeters capable of measuring very low flow, down to 2 ml/min.

The Atrato range

of inline low flow flowmeters from Titan Enterprises use patented ultrasonic technology, which enables it to operate with excellent accuracy over very wide flow ranges (0.002 to 20 litres / minute).



Its rugged, clean bore construction makes the Atrato ideal for almost any low flow application, from research and development, to industrial processes and even metering of chemically challenging liquids.

The technology

The ultrasonic sound waves travelling down the Atrato flow tube are symmetrical, and as a result, any changes in a fluid's velocity profile across the pipe diameter will be averaged out by the signal as it passes from the transmitter to the receiver. As a result, the Atrato gives unmatched performance when metering low flows whether laminar or turbulent, and is also largely immune from viscosity.

Features

The Atrato range of inline low flow ultrasonic flowmeters offer excellent turndown (> 200:1), repeatability (+/- 0.5%), linearity and accuracy of better than +/- 1.0% of reading. Different models are available for measuring fluid flow from -10°C to +110°C and pressures up to 30 bar (435 psi).



Atrato inline low flow ultrasonic flowmeters

include a USB interface which permits users to directly monitor the rate and total on their PC while also altering some of the operating parameters, such as the pulse resolution and units.

For further information

please visit <https://www.flowmeters.co.uk/atrato-ultrasonic-flowmeters/> or contact Titan Enterprises on +44-1935-812790 / sales@flowmeters.co.uk.

Drawing upon over 40-years of flowmeter innovation - Titan Enterprises Ltd are a manufacturer of high-performance solutions including the Atrato ultrasonic flowmeter, Oval Gear flowmeters, low flow Turbine flow meters and a flow instrument range. Titan's company

philosophy of "pushing the envelope by trying to do things a little different and better" has resulted in sales of over 500,000 products into 50 countries worldwide and a repeat purchase percentage of 95%. All flow meters produced by Titan Enterprises are designed and manufactured to ISO9001 and calibrated to an uncertainty of $\pm 0.25\%$.

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