



Titan Enterprises Ltd.

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Titan Enterprises' Most Versatile Ultrasonic Flowmeter now with ASCII Flow Streaming

As a specialist liquid flow meter manufacturer, Titan's patented ultrasonic technology has led to an expanding line of [ultrasonic flowmeters](#) and patents ranging from signal processing methodology to novel mechanical design.



Titan Enterprises' Atrato® Ultrasonic Flow Meter with ASCII streaming ideal for datalogging

Atrato® line of ultrasonic inline flowmeters

Titan's most versatile [Atrato® line of ultrasonic inline flowmeters](#) now has ASCII flow streaming capability via USB and is reverse flow enabled, enhancing its capacity to

be optimised for the user's application, in addition to its datalogging and diagnostic features.

The sophistication of the Atrato's ultrasonic technology, together with the proprietary embedded signal processing software developed by Titan Enterprises, allows both viscous and non-viscous liquids to be routinely measured precisely.

Neil Hannay, Senior R&D Engineer

with Titan Enterprises, says: "The device's USB connection gives the Atrato® flowmeter computer interface capability, enabling the user to directly monitor the flow rate being measured and alter the operating parameters using a laptop PC. ASCII flow streaming capability has been a logical next step in the advancement of these ultrasonic flowmeters."

The additional ASCII flow streaming means the measured liquid flow is output at 10-20 times per second in human-readable text form (ASCII encoded). This stream of data can then be interpreted and processed by software running on the USB host.

The advantages of ASCII streaming

for the user are 3-fold:

1. The flow measurements are streamed directly over the USB connection to the PC.
2. No additional pulse counting or analog interface devices are required.
3. Flow measurements are configured directly to the user's software system such as *LabVIEW*.

Titan's Atrato® ultrasonic flow devices

are ideal for low flow applications and precision process control, laboratory processes and chemical dosing. Ultrasonic flow meters are also becoming an important flow metering sensor within petrochemical process applications; about 40% of ultrasonic flowmeter sales fall into the oil & gas industry, refining and chemical.

Using Titan's patented

'time-of-flight' ultrasonic technology, the Atrato® flow meters operate with unmatched accuracy over a flow range of 2ml/minute to 20litres/minute. The superior non-intrusive design and electronics, coupled with Titan's unique algorithms, makes the Atrato® an advanced signal processing flow measurement system with no moving parts, virtually eliminating mechanical wear, critical for long-life and repeatability.

Registered Office Address as above Company Registration No 01599477 Place of Registration Cardiff

For the Atrato® full technical specification, visit:

<https://flowmeters.co.uk/product/atrato-ultrasonic-pulse-analog-flow-meters/>

Visit Titan Enterprises'

website for further information on the [full range of Ultrasonic flowmeters](#) or to discuss your specific OEM application, please contact [Titan Enterprises](#) on +44 (0)1935 812790 or email sales@flowmeters.co.uk.

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Drawing upon over 40-years of flowmeter innovation - Titan Enterprises Ltd is a leading manufacturer of high-performance flow measurement 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 2 million flowmeters and components 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 $\pm 0.25\%$.

September 2023

titanpr129-AtratoASCIISstreaming

For more information please contact:

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