

## Flow Meter Reliability Critical for On-line Analysers Servicing the Oil and Gas Industry

Titan Enterprises' [Oval Gear \(OG\) flow meters](#) have been an intrinsic component within Icon Scientific's on-line analysers for over 10 years.



**Caption:** Titan's Oval Gear flow meters are integral components within Icon Scientific's Physical Property On-Line Analysers, seen here within the cell enclosure of Icon's cloud point analyser

### **Serving the oil and gas industries,**

[Icon Scientific](#) are a specialist designer and manufacturer of physical property on-line analysers used in refineries, crude oil processing, LNG, LPG and offshore applications. The real-time analysers are connected to a process and measure certain physical properties, such as colour, viscosity, distillation, flash point, vapour pressure, cold properties, etc.

### **Innovative online analytical instruments**

permit continuous process control, enhancing process efficiency, increasing productivity, improving product quality and safe storage, and enabling real-time decision-making.

Dave Thompson, Icon Scientific's Engineering and Development Director, comments:  
"Our on-line analysers offer highly reliable, accurate and automated measurement solutions, adhering to international standards."

**"The challenge",**

Dave suggests, "was Icon needed a liquid flowmeter that was highly reliable to operate within our precision analysers. We chose Titan's OG1 model with the reed switch sensor that interfaces with our advanced software and we enclose this within an explosion proof casing."

**[Titan's OG Series flow meters](#)**

are designed to give reliable, high performance across a wide range of applications. Almost immune from the effects of varying liquid viscosity, density and temperature, the measurement performance of these oval gear flowmeters improves as liquid viscosity increases, making them ideal for the chemical, biofuel and petrochemical industry.

**Neil Hannay,**

Senior R&D Engineer with Titan Enterprises says: "Titan's oval gear flow measuring devices are an ideal low-cost component for [OEM applications](#), combining durable materials, robust design and proven technology to ensure they will have a long product life with reliable, accurate operation throughout."



**Titan Enterprises Ltd.**

Coldharbour Business Park  
Sherborne, Dorset DT9 4JW

Tel: 01935 812790

Fax: 01935 812890

Email: [sales@flowmeters.co.uk](mailto:sales@flowmeters.co.uk)

**[www.flowmeters.co.uk](http://www.flowmeters.co.uk)**

**[www.atratoflowmeters.co.uk](http://www.atratoflowmeters.co.uk)**

VAT No. GB 365 9701 23

“We’re a tightly focused organisation,” adds Dave, “pushing the boundaries of what’s achievable in our field and so working with a comparable organisation such as Titan with the same outlook, is very desirable.”

### **As software capabilities**

and technological advancements continue for these sophisticated online process analysers, the demand for flow monitoring devices that perform well with a variety of fluid viscosity levels and at lower flow rates increase. “Although [Titan’s 800 series turbine flowmeters](#) and our [Atrato® ultrasonic meter range](#) are ideal for low flows down to 2ml/min, they are not explosion proof,” explains Neil. “Working with OEMs such as Icon, our R&D team are pushing the flow range boundaries of our oval gear meters with the aim of adding a more compact, lower flow unit to our oval gear range.”

### **For further information**

on Titan’s oval gear flowmeters please visit <https://flowmeters.co.uk/oval-gear-flow-meters/>. To discuss an optimised flow measurement device for your OEM application please contact Titan Enterprises on +44 (0)1935 812790 or email [sales@flowmeters.co.uk](mailto:sales@flowmeters.co.uk).

### **For information**

about Icon Scientific visit <https://www.iconscientific.com/>



**Titan Enterprises Ltd.**

Coldharbour Business Park  
Sherborne, Dorset DT9 4JW

**Tel:** 01935 812790

**Fax:** 01935 812890

**Email:** [sales@flowmeters.co.uk](mailto:sales@flowmeters.co.uk)

**[www.flowmeters.co.uk](http://www.flowmeters.co.uk)**

**[www.atratoflowmeters.co.uk](http://www.atratoflowmeters.co.uk)**

VAT No. GB 365 9701 23

*For more information please contact:*

Media: Mrs Samantha Hannay, Marketing Manager, Titan Enterprises  
+44 (0)1935 812790 / [samantha@flowmeters.co.uk](mailto:samantha@flowmeters.co.uk)

**Titan Enterprises Ltd**

Drawing upon over 40-years of flowmeter innovation - **Titan Enterprises Ltd** is a leading manufacturer of high-performance flow measurement solutions, including the Atrato® & Metraflow® ultrasonic flowmeters, 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 flowmeters produced by Titan Enterprises are designed and manufactured to ISO 9001 and calibrated to an uncertainty of  $\pm 0.25\%$ .