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# PRESS INFORMATION

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## 8,000 laser gas analysers installed

Quantitech, a leading instrumentation distributor and service provider, has announced the launch of a new range of process gas analysers based on tuneable diode laser absorption spectroscopy (TDLAS). “Whilst these instruments are new to the UK and Ireland, the manufacturer Focused Photonics Inc (FPI) has an installed base of over 8,000 instruments, so this is a well-established technology and we are delighted to have been given exclusive distribution rights for our territory,” says Quantitech MD Keith Golding.

“By utilising ‘single-line’ spectroscopy, the Laser Gas Analyser (LGA) range can be configured for continuous analysis of a number of key compounds, with an enormous dynamic range from single figure ppm to % levels, without interference from other process components,” he adds.

From an operational perspective, costs and service requirements are minimal. There are no moving parts and there is no need for consumables or spare parts. Calibration checks can have intervals as long as 6 months due to the stability of this stable, drift free technique, coupled with built-in continuous self-checking.

The most important benefit of TDLAS analysers is the process efficiency improvement that they enable. For example, in reheat furnaces monitoring oxygen and carbon monoxide, users have achieved 5 to 10% saving in fuel cost, which amounts to a considerable cash saving and very rapid return on investment (within months).

Typical applications include ammonia slip control, HCl measurement for sorbent injection optimisation, furnace oxygen optimisation, flue gas monitoring in FCC catalyst regeneration, trace H<sub>2</sub>S and H<sub>2</sub>O in natural gas, H<sub>2</sub>S measurements in sulphur recovery, cross-duct CO monitoring for electrostatic precipitator safety, and many others.

“The LGA range of process gas analysers delivers the well-established benefits of TDLAS technology - high specificity, fast response, super-low maintenance, with proven reliability in

harsh operating environments and very low ownership costs,” comments Keith. “Developed out of Stanford University California, the cradle of TDLAS commercialisation, FPi was established in China in 2002 and now employs over 3,000 staff. We have visited a number of LGA installations and were very impressed by the standards of quality and reliability being delivered by these instruments.”

Further information on the FPi LGA range is available from [www.Quantitech.co.uk](http://www.Quantitech.co.uk).

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**o Note**

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