

**Date: June 2014**  
**Ref: PR159**



*Written & issued by Michell Instruments Ltd.*  
*Telephone: 01353 658 000. Fax: 01353 658 199.*  
*Email: [uk.info@michell.com](mailto:uk.info@michell.com)*

## **PRESS RELEASE**

### **Self-contained binary gas analyzer for fine control of hydrogen in heat treatment furnaces**

Michell Instruments' XTC601 binary gas analyzer ensures accurate control of levels of hydrogen in heat treatment furnaces during production of metal. With its small footprint, integrated display and interface, the [XTC601 thermal conductivity analyzer](#) is convenient to install and simple to use.

Unlike many similar analyzers, which act as blind transmitters and require a separate display to be installed, the XTC601's built-in interface not only allows users to interrogate, configure and even calibrate the unit in situ, but offers this at a price which is comparable to a typical blind analyzer.

The heat treatment process involves controlling levels of hydrogen in a background of nitrogen at temperatures up to 980°C, with typical H<sub>2</sub> ranges of 0-10%, 0-25% & 0-100%. The XTC601 has two mA output ranges available, one fixed over the maximum span and the other user configurable, for maximum flexibility.

The analyzer's [thermal conductivity sensor](#) is non-depleting making the XTC601 highly cost-effective over its lifetime as it doesn't need replacement sensors. With no consumables or moving parts to change, maintenance is minimal which also helps to keep costs down.

The XTC601 can be calibrated for many different gases, giving it a wide range of uses beyond heat treatment. The measured gases currently available are: carbon dioxide, methane, argon, helium, nitrogen, hydrogen and air, as either target or background gases. Other typical applications include industrial gas production, helium recovery and food processing.

- E N D -

For marketing enquiries, please contact:

Sarah Lawrence  
Michell Instruments  
Lancaster Way Business Park  
Ely, Cambridgeshire  
CB6 3NW  
UK  
Tel - +44(0)1353 658 000  
Fax - +44(0)1353 658 199  
e-mail – [sarah.lawrence@michell.com](mailto:sarah.lawrence@michell.com)

**Date: June 2014**  
**Ref: PR159**



*Written & issued by Michell Instruments Ltd.*  
*Telephone: 01353 658 000. Fax: 01353 658 199.*  
*Email: [uk.info@michell.com](mailto:uk.info@michell.com)*

## **Notes**

### **About Michell Instruments**

[Michell Instruments Group is a worldwide leader in the field of moisture and humidity measurement solutions.](#) With four decades experience, Michell designs and manufactures a wide range of sensors, instruments and customized systems capable of measuring dew-point, humidity and oxygen in applications and industries as diverse as compressed air, power generation, petrochemical, oil and gas, food processing and pharmaceutical. Michell's innovative products make processes cheaper, cleaner, more energy efficient and safe.

The Group has multiple manufacturing locations across Europe with their international headquarters located in Ely, UK and a North America sales and service headquarters located in Rowley (MA). It has its own facilities in 10 countries with an extensive network of factory trained application and service engineers, subsidiaries and distributors stretching across 56 countries.

<http://www.michell.com/uk>