

**COMTEC<sup>®</sup>**

*O<sub>2</sub> / CO<sub>e</sub> InSitu analyzer systems*

**REDUCE EMISSIONS  
AND INCREASE  
FUEL EFFICIENCY**

DEVELOPED AND  
MANUFACTURED  
IN GERMANY







## COMTEC® 6000 DustEx INSITU MEASUREMENTS IN HAZARDOUS AREAS

## COMTEC® 600E EXTRACTIVE MEASUREMENT

The **COMTEC** 6000 DustEx provides permanent and reliable gas analysis in flue with high dust loads. The probe design used for the DustEx is extremely robust and withstands the abrasive forces present in dusty atmospheres. The ATEX certification for the DustEx is for dust explosion protection zones 21/22.

These characteristics are the foundation for energy optimisation and fuel reduction by means of accurate process control.

### TECHNICAL DATA

INSERTION DEPTH OF PROBE	up to 960mm
O <sub>2</sub> / CO <sub>e</sub> RANGES	0% O <sub>2</sub> to 100% O <sub>2</sub> 0 to 1000ppm CO <sub>e</sub> (others on request)
MEASUREMENT ACCURACY	± 0,2% of measured O <sub>2</sub> value
REACTION TIME	0,5s (process flow velocity > 10m/sec.)
PROCESS GAS TEMPERATURE	max. 600°C
AMBIENT TEMPERATURE	-20°C to 55°C (probe) -20°C to 55°C (electronic unit)
INTERFACE	HART, FIELDBUS, RS485 MODBUS RTU, RS232
IP CODE	electronic unit - IP66 probe - IP66

Certified in operation for realistic process conditions by an independent German **ATEX** test house.



**II 2D Ex tD A21 IP6X T133°C/T141°C**

**ATEX APPROVED  
FOR YOUR PROCESS  
CONDITIONS**

SME-53 electronic unit and ATEX protected KES-6001 probe (immersion depth 540mm)



The **COMTEC** 600E extractive analyzer has a 19" rack housing, built for installation in analyzer cabinets. The analyzer continuously measures O<sub>2</sub> and CO<sub>e</sub>. The 600E is equipped with the same tried and tested **ENSITU** O<sub>2</sub> sensor as well as a CO<sub>e</sub> sensor for measurement of CO<sub>e</sub>.

In combination with an **ENOTEC** gas sampling and conditioning system, oxygen and combustibles can be measured in wet / dry flue gas with a detection limit of 1ppm.

Apart from the 19" version, a desktop version is also available for standalone applications such as in laboratories.

### TECHNICAL DATA

O <sub>2</sub> / CO <sub>e</sub> RANGES	0% O <sub>2</sub> to 100% O <sub>2</sub> 0 to 1000ppm CO <sub>e</sub> (others on request)
MEASUREMENT ACCURACY	± 0,2% of measured O <sub>2</sub> value
AMBIENT TEMPERATURE	-20°C to 55°C
INTERFACE	HART, FIELDBUS, RS485 MODBUS RTU, RS232
IP CODE	IP20



**QUALITY GERMAN  
ENGINEERING**



COMTEC 600E



# COMTEC®

## SAFE AND CLEAN COMBUSTION

### COMPANY

ENOTEC has provided gas sensing solutions since 1980, producing products with a high degree of accuracy, quality and durability - Made in Germany.

Our flexibility allows us to quickly develop solutions individually designed to meet your problems.

On request, we also offer after delivery service concepts - the world over.

### SYSTEM FEATURES

- > InSitu measurement in real-time
- > Overview of calibration history
- > Overview of calibration
- > Low-maintenance design
- > Self-monitoring
- > Sensor life expectancy on display
- > Gas tight sensor construction

### CONTACT

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**ENOTEC has three subsidiaries: ENOTEC USA, ENOTEC ASIA, ENOTEC UK, ENOTEC OOO and over 50 distributors world wide...**

The ENOTEC product configurator: Configure your analyzer in 5 minutes.



Watch the ENOTEC product videos on our YOUTUBE channel  
[www.youtube.com/ENOTECsensors](http://www.youtube.com/ENOTECsensors)