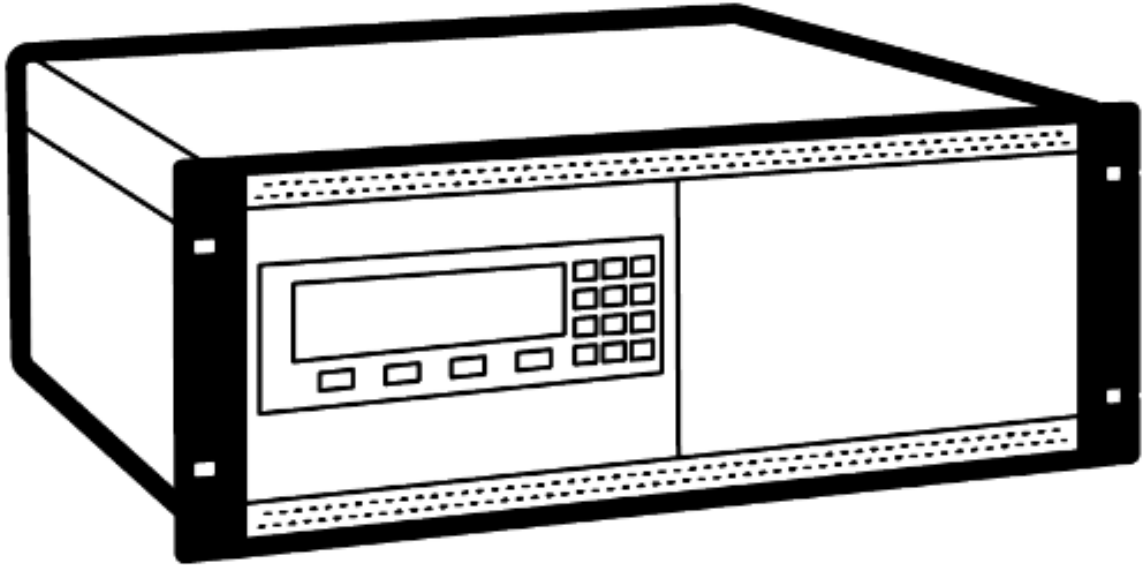


# Oxygen Analyzer



## Gasmeter ZrO<sub>2</sub> Oxygen Analyzer

Gasmeter 19" frame analyzer with microprocessor technology has the ZrO<sub>2</sub> cell inside and can be used for O<sub>2</sub> measurement in CEMS cabinets or as a portable analyzer.

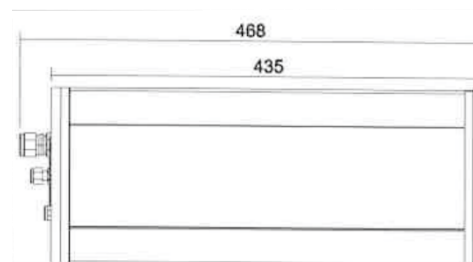
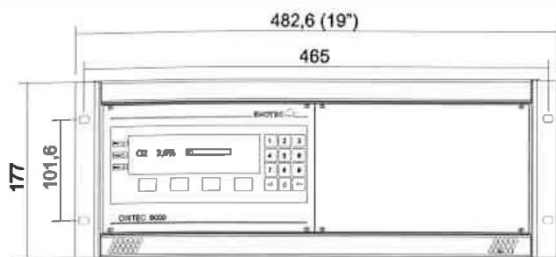
Together with a sampling and conditioning system Gasmeter oxygen analyzer can measure the O<sub>2</sub> content in wet flue gas or steam down to less than 1 ppm O<sub>2</sub>. Gasmeter oxygen analyzer is manufactured by ENOTEC.

### General parameters

<b>Measuring principle:</b>	ZrO <sub>2</sub> measuring cell
<b>Detection limit:</b>	< 1 ppm O <sub>2</sub>
<b>Response time:</b>	< 1 second
<b>Sample gas temperature:</b>	120 °C to 300 °C, non-condensing
<b>Environmental temp.:</b>	-20 °C to +40 °C
<b>Line voltage:</b>	115 or 230 V / 50 -60 Hz
<b>Reference gas:</b>	Instrument air, dew point less than -40 °C, no oil, about 30 l/h
<b>Measuring gas:</b>	Dry or wet, no combustibles
<b>Calibration gas:</b>	Instrument air as above or test gas from bottles
<b>Product compliance:</b>	CE, UKCA

## ZrO<sub>2</sub> sensor and SME5 electronic board

<b>Sensor material:</b>	316 ss (1.4571)
<b>Gas connection:</b>	6 mm Swagelok
<b>Gas flow:</b>	Minimum 0.1 l/min
<b>Power consumption:</b>	150 VA during heating 60-100 VA continuously
<b>Heater voltage:</b>	48 VAC for ZrO <sub>2</sub> sensor
<b>Fuse requirement:</b>	10 A
<b>Measurement ranges:</b>	Two (2), key selectable, each from 0-2 % O <sub>2</sub> to 0-25 % O <sub>2</sub> programmable, other on request
<b>Accuracy:</b>	± 0.2 % of reading, maximum
<b>Operation:</b>	With softkeys, menu-controlled self-explanatory
<b>Display:</b>	LCD display LED illuminated 240 × 64 dots
<b>Spectrum:</b>	Actual values, parameters, system functions, system status
<b>Language:</b>	Germany and English
<b>Alarm display:</b>	LED for alarm, fault and maintenance
<b>O<sub>2</sub> value memory:</b>	On/off by program during calibration the last O <sub>2</sub> value kept in memory
<b>System tests:</b>	Thermocouple polarity Data fault EEPROM Electronic temperature ZrO <sub>2</sub> cell temperature ZrO <sub>2</sub> cell mV-value Automatic start up with single point Calibration with air
<b>Calibration:</b>	Single point with air, two point with air and test gas bottle
<b>Analogue outputs:</b>	O <sub>2</sub> measured value 0/4-20 mA, active sourcing, DC- isolated
<b>Digital output:</b>	Error status, maintenance, measuring range, measuring limit 1, measuring limit 2 (relay contact)



## Enclosure

<b>Material:</b>	Aluminium
<b>Dimensions (mm):</b>	177 * 483 * 400 mm
<b>Weight:</b>	12 kg
<b>TÜV approval:</b>	TÜV approved in combination with a multicomponent analyser Gasmeter CX4000
<b>EMC tested:</b>	In accordance with EN50082-2, EN55011 Cl.B

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