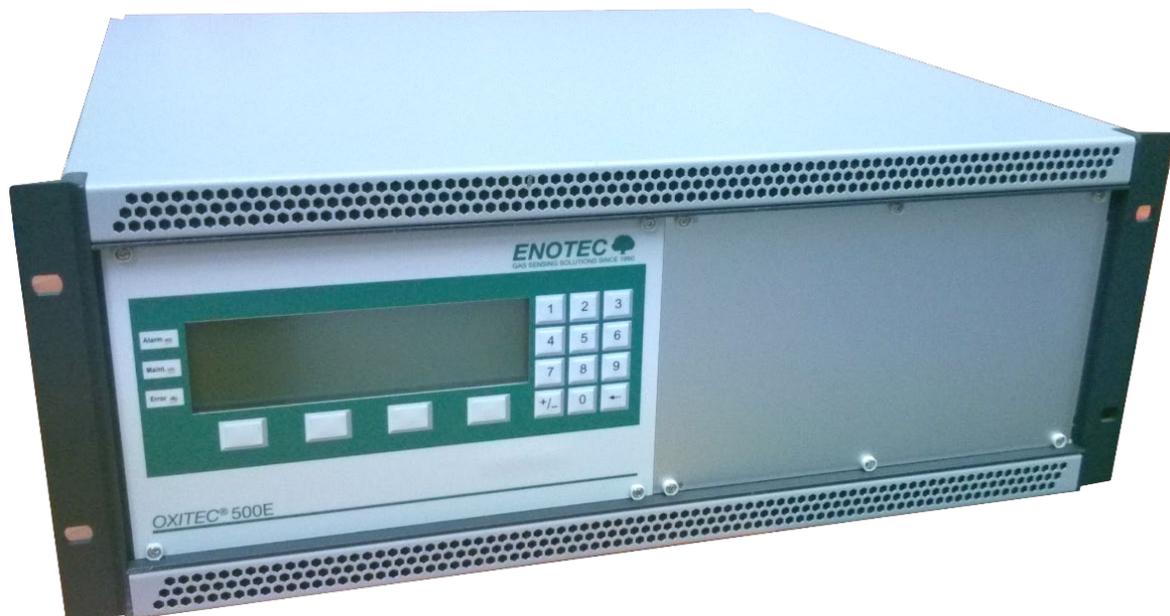


Oxygen Analyzer



Gasmeter ZrO₂ Oxygen Analyzer

Gasmeter 19" frame analyzer with microprocessor technology has the ZrO₂ cell inside and can be used for O₂ measurement in CEMS cabinets or as a portable analyzer.

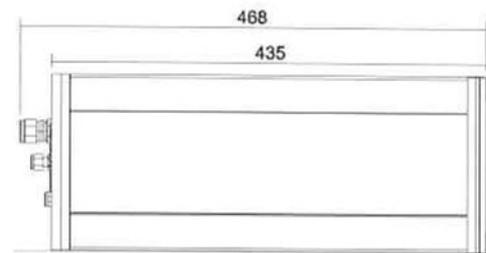
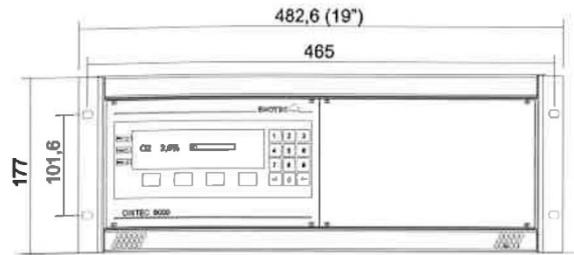
Together with a sampling and conditioning system Gasmeter oxygen analyzer can measure the O₂ content in wet flue gas or steam down to less than 1 ppm O₂. Gasmeter oxygen analyzer is manufactured by ENOTECH.

General parameters

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

ZrO₂ sensor and SME5 electronic board

Sensor material:	316 ss (1.4571)
Gas connection:	6 mm Swagelok
Gas flow:	Minimum 0.1 l/min
Power consumption:	150 VA during heating 60-100 VA continuously
Heater voltage:	48 VAC for ZrO ₂ sensor
Fuse requirement:	10 A
Measurement ranges:	Two (2), key selectable, each from 0-2 % O ₂ to 0-25 % O ₂ programmable, other on request
Accuracy:	± 0.2 % of reading, maximum
Operation:	With softkeys, menu-controlled self-explanatory
Display:	LCD display LED illuminated 240 × 64 dots
Spectrum:	Actual values, parameters, system functions, system status
Language:	Germany and English
Alarm display:	LED for alarm, fault and maintenance
O₂ value memory:	On/off by program during calibration the last O ₂ value kept in memory
System tests:	Thermocouple polarity Data fault EEPROM Electronic temperature ZrO ₂ cell temperature ZrO ₂ cell mV-value Automatic start up with single point Calibration with air
Calibration:	Single point with air, two point with air and test gas bottle
Analogue outputs:	O ₂ measured value 0/4-20 mA, active sourcing, DC- isolated
Digital output:	Error status, maintenance, measuring range, measuring limit 1, measuring limit 2 (relay contact)



Enclosure

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

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