

Gasmeter™ Oxygen Analyzer



GASMET ZrO₂ Oxygen Analyzer

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

Together with a sampling and conditioning system GASMET Oxygen Analyzer can measure the O₂ content in wet flue gas or steam down to less than 1 ppm O₂. GASMET Oxygen Analyzer is manufactured from ENOTEC components.

General parameters

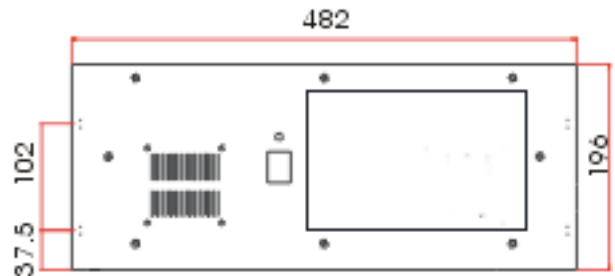
Measuring principle:	ZrO ₂ measuring cell
Detection limit:	< 1 ppm O ₂
Response time:	< 1 second
Sample Gas temp.:	120 °C to 300 °C, non condensing
Environm. Temp.:	-20 °C to +40 °C
Line Voltage:	115 or 230 V / 50 -60 Hz
Reference gas:	instruments air, dew point less than -40 °C, no oil, about 30 l/h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

ZrO₂-Sensor and SME5 electronic board

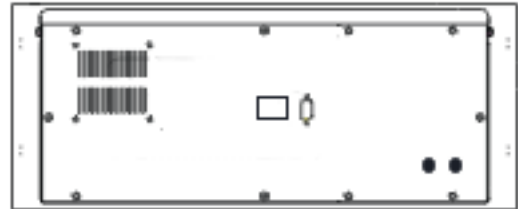
Sensor material:	316 ss (1.4571)
Gas connection:	6 mm Swagelok
Gas flow:	min. 0.1 l/min
Power consump.:	150 VA during heating 60-100 VA continuously
Heater voltage:	48 VAC for ZrO ₂ -sensor
Fuse require:	5 amp.
EMV-tested:	to EN 50081-2 and EN 50082-2
Meas. Ranges:	2, key selectable, each from 0-2 % O ₂ to 0-25 % O ₂ programmable, other on request
Accuracy:	± 0.2 % of reading, max.
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
Terminals:	back of the analyser board

Enclosure

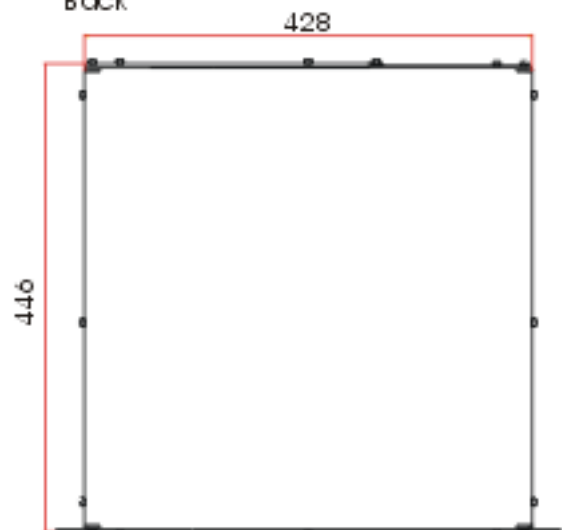
Material:	Aluminium
Dimensions (mm):	482 * 196 * 450
Weight:	16 kg
CE - Label:	according to EMI guideline 89/336/EC



Front



Back



446

186

Side