

ENGEZER

SOLUÇÕES EM ANÁLISE DE

GASES

Oxitec 500E Analisador de Oxigênio Extrativo

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OXITEC® 500E

19" Extractive ZrO₂ Oxygen Analyser

The OXITEC® 500E SME5 19" frame extractive analyser is designed for the continuous O₂ measurement for example in CEM cabinets.



When supplied complete with a sampling and conditioning system OXITEC® 500E SME5 can measure the O₂ content in wet or dry flue gas, wet or dry sample gas or steam down to less than 1 ppm O₂.

The very high absolute accuracy together with the extremely low O₂ detection limit makes the OXITEC® 500E SME5 the very first choice for emission measurement installation, inert gas monitoring, measurement of oxygen traces e.g. in N₂ or water vapour, air fractionation, quality monitoring during food production by means of oxygen trace measurement in CO₂ and many others applications.

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General System Description

The OXITEC® 500E SME5 oxygen analyser is based on the same ZrO_2 oxygen measuring technology as our well known long-term approved OXITEC® 5000 InSitu oxygen analyser and has a ZrO_2 oxygen measuring cell inside, a micro-processor unit, a „User friendly“ graphical user interface, a 0/4-20mA analogue output for the O_2 measurement value and several digital I/O-interfaces for status signals and remote controls.



REPRESENTANTE:



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Technical Data:

Measuring

Measuring principle: ZrO_2 measuring cell
Detection limit: < 1 ppm
Measuring ranges: 2, user configurable
0.00 % (min) to 100.00 % (max) O_2
Accuracy: $\pm 0.2\%$ of readings
Response time: < 1 second

Analogue Output

For: O_2 , measured value
Type: 0/4 to 20 mA, active sourcing, DC-isolated

Digital Outputs

For: Error Status, Maintenance, Measuring Range, Measuring Limit 1, Measuring Limit 2
Type: Relay Contact
Electrical Data: Max. 24V AC/DC, 1A, resistive load

Digital Input

For: Measuring Range Selection
Type: Optocoupler Input, DC-isolated
Electrical data: 0V / 24V DC

Power Supply

Mains voltage: 115 VAC/ 230 VAC $\pm 10\%$
Mains frequency: 50 Hz / 60 Hz
Power consumption: 250 VA max.

Instrument Air Supply (Instrument Air Version Only)

Connection: Push-in fitting for 6mm tubes
Quality: ISO 8573-1 class 2
Pressure: 4 to 10 bar
Consumption: 40 l/h

Sample Gas Supply/Calibration Gas Supply

Connection: Swagelok fitting for 6/10mm tubes
Temperature: $+120^\circ\text{C}$ / $+248^\circ\text{F}$ to $+300^\circ\text{C}$ / $+572^\circ\text{F}$
(wet sample gas)
 0°C / $+32^\circ\text{F}$ to $+300^\circ\text{C}$ / 572°F
(dry sample or calibration gas)
Flow rate: 60 l/h $\pm 5\%$
Sample gas: No combustibles
Calibration gas 1: 20,95% O_2 $\pm 2\%$, balance: N_2 or instrument air
Calibration gas 2: 2,1% O_2 $\pm 2\%$, balance: N_2

Ambient condition

Operating temp.: -20°C / -4°F to $+55^\circ\text{C}$ / $+131^\circ\text{F}$
(instrument air for reference air)
 -20°C / -4°F to $+40^\circ\text{C}$ / $+104^\circ\text{F}$
(internal pump for reference air)

Enclosure

Type: 19" 4U
Dimension: 177 x 483 x 400mm (incl. fittings and terminals)
Protection class: IP20
Weight: Approx.: 12 kg

Approvals

EC-conformity: 89/336/EEC
EMC tested: in accordance with EN50082-2, EN55011 Cl.B
TÜV approval: in accordance with 13./17. BImSchV*

Options

+ Instrument air supply or internal pump for ref. air supply
+ Fieldbus interface: Fieldbus Foundation or HART
+ Communication interface: RS232 or RS485

* TÜV approved in combination with a multi component analyser
GASMET CX4000 or comparable

**Caso queira adaptar este produto a suas necessidades
usando um sistema de condicionamento, uma
automação ou formando um produto, contate:**

COMERCIAL@ENGEZER.COM.BR

**para mais informações ou preços*



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