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OXY-112 BOXY

Oxygen analyzer **OXY 112 BOXY** is designed to measure the continuous oxygen concentration from emission sources. The whole system includes measuring system and fully integrated operation panel which provides automatic control of units and offers very useful user interface. The instrument operation principle is based on the zirconia cell method. Each operation panel has two lines of communication. The top one presents actual oxygen concentration while the second one gives direct access to the menu and settings which can be adjusted by a built-in keyboard.

OXY 112 BOXY is a low maintenance analyzer which determines standards in measurement by Zirconia cell method. Because of the highest measurement quality it is dedicated for all extractive systems, where measured oxygen is used as a reference value in emission monitoring or environmental protection.

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Technical data of OXY 112D BOXY

Measured gas temperature	:	0°C - 1400°C
Working temperature of zicronia cells/sensors	:	700°C ± 3°C
Measuring chambers material	:	Stainless steel, Viton
Enclosure material	:	Painted steel
Dimensions	:	H: 3U W: 19" D: 305 mm H: 134 mm W: 485 mm D: 305 mm
International Protection level	:	IP20, optional: IP65
Measuring range	:	0-25% 0_2
Accuracy	:	2% full scale
Repeatability	:	0,5% full scale
Response time	:	1 sec + 1 sec/meter of measuring line
Measuring method	:	Zirconia cell
Warm up time	:	approx. 20min
Calibration	:	Manual 1-or 2-points Auto 1-or 2-points
Calibration gas	:	15 - 20,9% 0_2 in Nitrogen for Span 0,5- 5% 0_2 in Nitrogen for Zero
Required flow	:	Stabilized flow from 1l to 2l/min (nominal 1.5l/min)
Gas pressure	:	c.a. 0,7bar
Electrical parameters		
Voltage	:	85-265V AC
Frequency	:	47-63Hz
Power	:	250W
User interface		
Displays	:	1 x 4 LED 2 x 16 LCD
Keyboard	:	4 x functional key
Analog outputs	:	0-20mA, 4-20mA, 0-10V
Fault indication	:	Diode LED, fault signals