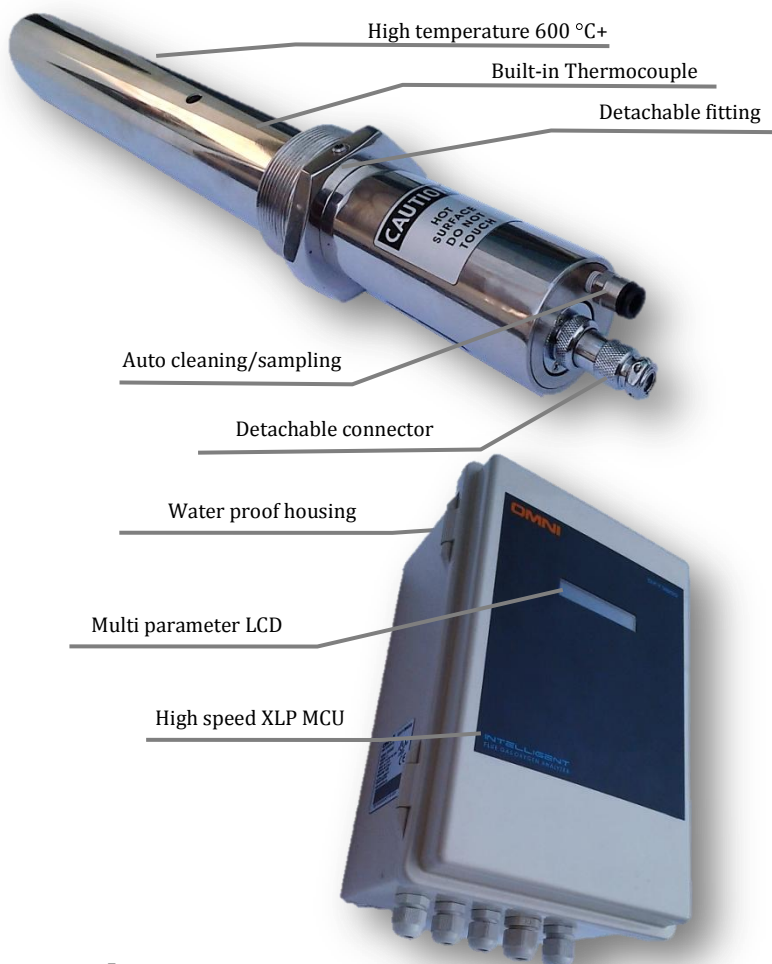


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INTELLIGENT OXY3600 In-Situ Flue Gas Oxygen Analyzer

- Oxygen Probe and display unit
- Oxygen Analyzer
- Flue gas temperature
- Auto/Manual cleaning & sampling
- Process analog outputs

Applications

The Intelligent OXY3600 oxygen probes incorporate the world's most rugged zirconia sensors. They are ideal for:

- Flue gas analysis
- Oxygen levels in boilers
- Kilns and furnaces
- Combustibles analysis
- Carbon potential measurement
- Water vapor concentration
- Dew point measurement
- Inert and sterile packaging
- General industrial use
- Annealing furnaces

Characteristics

PROBE

- Applications: Combustion flue gases below 700 °C
- Temperature range: 0-700 °C
- Electrical connection: Weather-proof plug-in connector
- Heater: Integral
- Internal thermocouple: Type "K"
- Response time: Typically <1 second

DISPLAY UNIT

- Water proof housing
- Universal 110-240 V AC input power
- LCD screen: Oxygen, Temperature
- Auto/Manual probe cleaning and sampling
- Oxygen and temperature analog outputs
- -10 to 65 °C operating temperature range
- Remote telemetry option

Precise, Accurate, and more informative

The Intelligent_OXY3600 oxygen probe and process display unit is the most advanced process system as compare other similar systems available.

The Intelligent_OXY3600 LCD display will provide you with a highly accurate and precise view of all parameters. It 10-bit A/D is accurate to 0.05% FS ±1 count.

Environmentally tough

Probe: Water proof stainless steel housing with detachable process connection. Weather proof plug-in connector for electrical signals. Display unit: Extra bright LCD, readable in sunlight also. Water proof IP65 housing.

Options

Communication: Add RS232/RS485 firmware up gradation.
 Remote monitoring: GSM/GPRS internet (web) based remote telemetry

Analog output

Oxygen level analog output: 4-20 mA
 Temperature analog output: 4-20 mA

Auto/Manual control

Local/remote auto cleaning/sampling system for the probe, therefore there is no need for dismantling of probe from the system. As well as no need for calibration, just press the button display will show oxygen % of ambient air. Suitable flue gases of gas/oil and solid fuel combustion.

Isolated power supply

A 12 V DC @ 3,600 mA power supply for display unit and for heater.


Connections

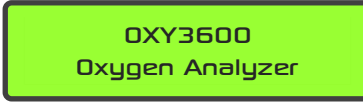
110-240 V AC, O2 and temperature analog inputs, 2 analog outputs, 1 heater output, 1 relay outputs are available on the basic board.


FROM OXYGEN PROBE JACK		SAMPLE/CLEAN SELECTION				ANALOG OUT 0~10 V DC		110~240 V AC 30 W		
PROBE HEATER	TH K-TYPE	OXYGEN PROBE	AUTO MANUAL	OIL GAS	OXYGEN	TEMP				
1	2	3	4	5	6	X1	C1	X2	C2	
							+	-	+	-
							L	N	G	

Display Unit

Display screens

Startup Screen_1 

Startup Screen_2 

Main Screen 

Specifications

Except where noted all specifications apply to operation at +25 °C.

General

Display: High contrast LCD.
O2: 4 digits, 2 digits decimal
Temperature: 3 decimal
Display update rate: 100 ms
Panel: IP65 water proof
Power options: 110-240 V AC 50/60 HZ
Warranty: 1 year parts & labor

Process input

Input: Zirconia probe signal, K-type thermocouple
Accuracy: ±0.05% FS ±1 Leaner curve
Temperature drift: From 0 to 65 °C ambient 50 PPM/ °C
Input Impedance: 1 MΩ

Analog output

Output source: Process variable
Scaling range: 4.0 to 20.0 mA as per programmable display range

Disclaimer

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