

## OXY5500 oxygen analyzer

Accurate and reliable O<sub>2</sub> measurements for natural gas and gas processing applications



More information and current pricing:

[www.be.endress.com/OXY5500](http://www.be.endress.com/OXY5500)

### Benefits:

- Easy to navigate display and menu
- Small optical sensor with no membrane or consumable chemicals
- Optical measurement with fast, continuous response
- Excellent long-term stability
- Not affected by H<sub>2</sub>S
- No moving parts, simple operation
- Data logging for 30 days

### Specs at a glance

- **Measured Variables** Concentration Cell Pressure Cell Temperature
- **Hazardous area approvals** ATEX / IECEx - Zone 2 CSA Class I, Division 2

**Field of application:** The OXY5500 oxygen analyzer is a compact, stand-alone, single channel analyzer that uses quenched fluorescence (QF) technology to reliably measure oxygen in natural gas and gas processing applications. A sensor probe is inserted into the process stream and is connected to the controller by an optical fiber. Featuring an LCD display and built-in data logger, the OXY5500 also has full sample conditioning systems available as well as software for a PC interface.

### Features and specifications

O<sub>2</sub>

#### Measuring principle

Quenched Fluorescence

O2

**Product Headline**

Compact, single channel oxygen (O2) analyzer with an LCD display and built-in data logger. The sensor measures oxygen using Quenched Fluorescence (QF) technology, which is inserted into the process stream and is connected to the controller by an optical fiber.

**Channels**

1

**Analyte and Measurement ranges**

O2 (Oxygen): 0-100 ppmv to 0-50%

**Measured Variables**

Concentration

Cell Pressure

Cell Temperature

**Ambient Temperature range**

-20 to 50°C (-4 to 122°F)

**Operating Pressure range**

Inlet Pressure: 140-275 kPa (20-40 psig)

Sample Cell: 800-1200 mbara

**Analyzer Wetted materials**

304 &amp; 316 Stainless Steel

FKM O-Rings

**Power supply**108-253 VAC, 50/60 Hz; 5.3 Watts @ 120VAC; 6.6 Watts @ 240VAC  
OR

9-30 VDC (CSA), 18-30 VDC (IECEX/ATEX); 4.7 Watts @ 24VDC

02

**Communication**

Analog Output: Two 4-20 mA outputs

Analog Input: One 4-20 mA input (sample pressure)

Fieldbus: RS-232C, RS-485, & Ethernet 10/100 with Modbus

Output Relays: Qty 2, 250 mA max load (Concentration and Fault Alarms)

USB 2.0 Works With Service Software Only

4 GB Internal Memory with Internal Data Logging

**Housing materials**

Electronics: 304 or 316L Stainless Steel

**Hazardous area approvals**

ATEX / IECEx - Zone 2

CSA Class I, Division 2

**Degree of protection**

IP64, Type 4X

**Product safety**

CE

RCM

FCC

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