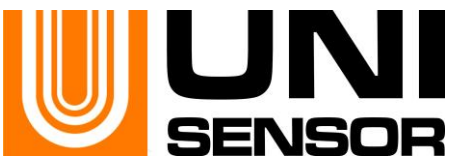
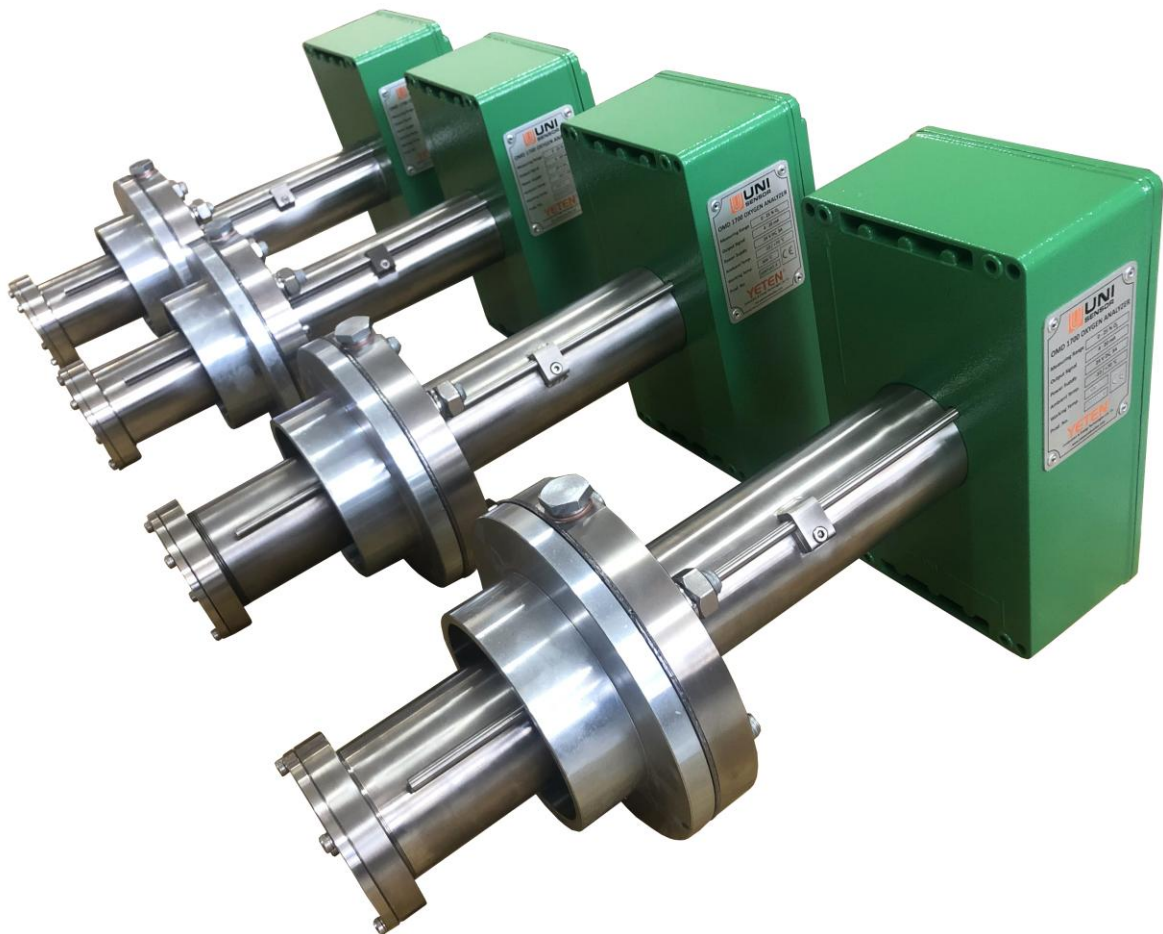


UNI SENSOR OMD 1700 OXYGEN ANALYZERS



UNI SENSOR OMD 1700 Oxygen Analyzer is an in-situ zirconia oxygen analyzer designed to optimize combustion by continuously measuring the oxygen concentration inside the flue gases. Based on the measured oxygen values, **burner fuel/air ratio can be optimized or an oxygen trim control system can be implemented** to achieve maximum combustion efficiency. **As a result, fuel consumption is reduced, flue gas emissions are minimized and the overall service life of the combustion system is extended.**

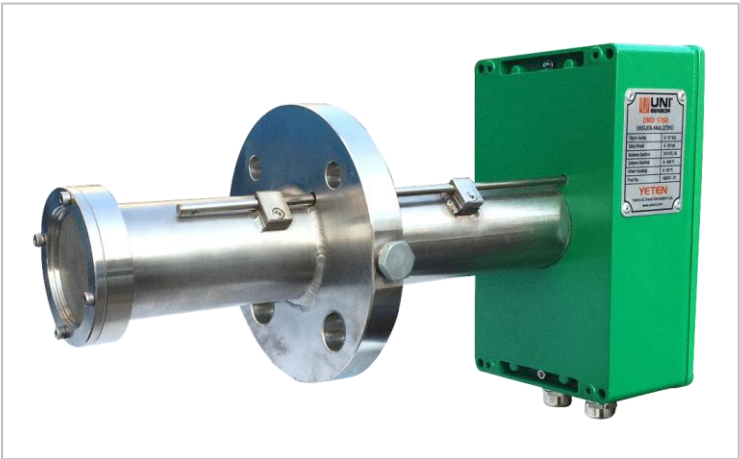


ADVANTAGES	APPLICATIONS
Suitable for Heavy Duty Applications	Steel Reheat Furnaces
Easy Installation, Commissioning & Calibration	Ceramic Shuttle Kilns
Integrated Filter & Temperature Sensor	Heat Treatment Furnaces
Long Service life	Aluminium Heat Treatment Furnaces
Economical Spare Parts	Power Plants
Delivery From Stock	Industrial Boilers

TECHNICAL FEATURES

OMD 1700 Oxygen Analyzer works with Zirconium Dioxide (ZrO2) ceramic sensor. It can make measurements in low flue gas temperatures and its parameters are not influenced by sudden temperature changes. **Integrated filter inside the analyzer protects the sensor from dusts** and it can be changed easily by operators. There is a temperature sensor located on analyzer's body to measure flue gas temperatures. Due to the customer requests, temperature sensor can be selected as PT 100 or K type thermocouple.

Measuring Range	0 - 25 % O ₂
Power Supply	24 V DC, 3A
Output Signal	4 - 20 mA
Ambient Temperature	-10 .. 50 °C
Accuracy	1 %
Reaction Time	< 4 s
Manual Calibration	Available
Auto Purging System	Available



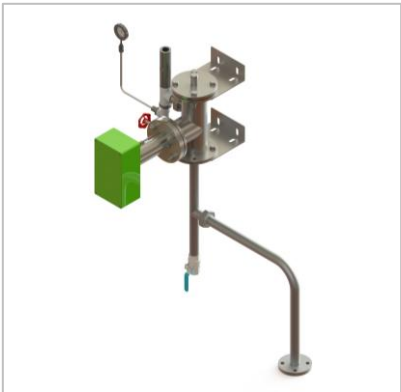
MODEL SELECTION

Depending on the application temperature, three different models are available.

Model	Content
OMD 1700 - Standard	OMD 1700 - Mounting Flange
OMD 1700 - SS	OMD 1700 - Ejector System - Stainless Steel Transfer Pipe - Mounting Plates
OMD 1700 - CER	OMD 1700 - Ejector System - Ceramic Transfer Pipe - Mounting Plates



OMD 1700 - Standard
Max. 400 °C



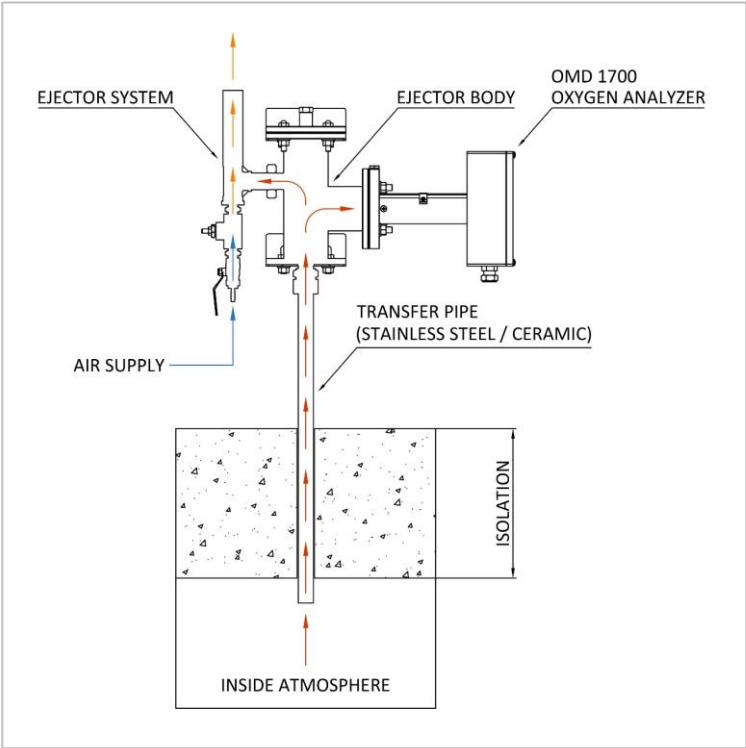
OMD 1700 - SS
Max. 900 °C



OMD 1700 - CER
Max. 1400 °C

INTEGRATED EJECTOR SYSTEM FOR HIGH TEMPERATURE APPLICATIONS

OMD 1700 Oxygen Analyzer is supplied with additional ejector system **for applications up to 1400 °C**. This system allows flue gases to be pulled directly to the sensor. Ejector systems are custom designed for every project and can be mounted both horizontally or vertically. Air supply for ejector can be supplied from an air compressor or from the unheated side of the combustion air pipeline.



LOCAL CONTROL CABINET

OMD 1700 Oxygen Analyzer is supplied together with local control cabinet optionally. Measured oxygen values are locally seen on the display of the cabinet and transmitted to the other systems via 4 - 20 mA output signal. There are 2 alarms on the cabinet to set min. - max. oxygen values. They are used as relays.

Power Supply	110 - 230 V AC
Output Signal	4 - 20 mA
Ambient Temperature	0 .. 50 °C
Alarm Quantity	2
Display	LED
Programming	Available



AUTO PURGING SYSTEMS FOR DIRTY FUEL OPERATIONS

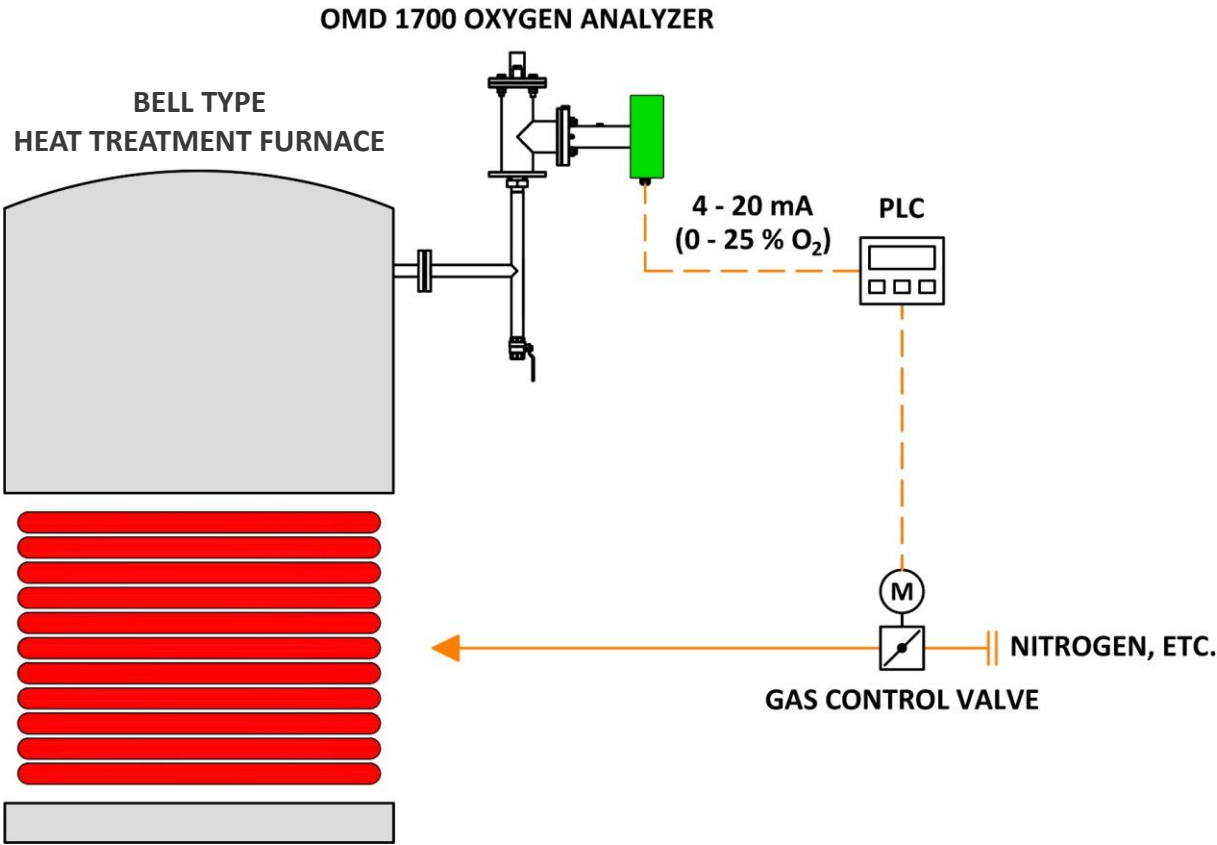
OMD 1700 Oxygen Analyzer is optionally supplied together with auto purging systems for dirty fuel operations such as coal, COG and others. A purging air is applied to the analyzer's filter at certain time periods and the sensor is cleaned from accumulated dusts and powders.

For models with ejector system (OMD 1700 - SS & OMD 1700 - CER), purging air is also supplied to the transfer pipe of the ejector and possible blockages are prevented. Auto purging systems are delivered with timer unit, pressure regulator, solenoid valves, necessary shut - off valves and tubings.



ATMOSPHERE CONTROL IN HEAT TREATMENT FURNACES

OMD 1700 Oxygen Analyzer is also used to control the inside atmosphere of heat treatment furnaces. Due to the measured oxygen levels, amount of additional gases (nitrogen, etc.) which sent to the furnace atmosphere is controlled.



ATTESTATION OF COMPLIANCE UYGUNLUK ONAYI

Number: **GYC-KD-2329701**
Numara:

Sertifika Sahibi:
Owner of Certificate: YETEN YAKMA VE ENERJİ TEKNOLOJİLERİ SAN. TIC. LTD. ŞTİ.
DUDULLU OSB MAH.DES-113 SOK. C-04 BLOK NO:33 ÜMRANIYE /
İSTANBUL

İşletme Yeri ve Adresi:
Location: YETEN YAKMA VE ENERJİ TEKNOLOJİLERİ SAN. TIC. LTD. ŞTİ.
DUDULLU OSB MAH.DES-113 SOK. C-04 BLOK NO:33 ÜMRANIYE /
İSTANBUL

Ürün ve Açıklama:
Products and Description: ELECTRIC OXYGEN ANALYSER
ELEKTRİKLİ OKSİJEN ANALİZÖRÜ

Ticari Markalar:
Trademarks: UNI SENSOR

Seri ve Modeller:
Seri ve Modeller: OMD 1700, OMD 2100, OMD 2200, OMD 2400, GCA 01, GCA 02, GCA 03,
OMD - S1, OMD - S2, OMD - S3

Referans Standart(lar):
Reference Standard(s): EN 60335-1

Test Raporları:
Test Reports: File of technical documentation, test report no KD2310-01
Teknik Dökümantasyon, KD2310-01 numaralı Test Raporu

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Certification Date / Belge Tarihi: 24-10-2023
Validity Date / Geçerlilik Tarihi: 23-10-2026



Department Manager
Cihan DEVA