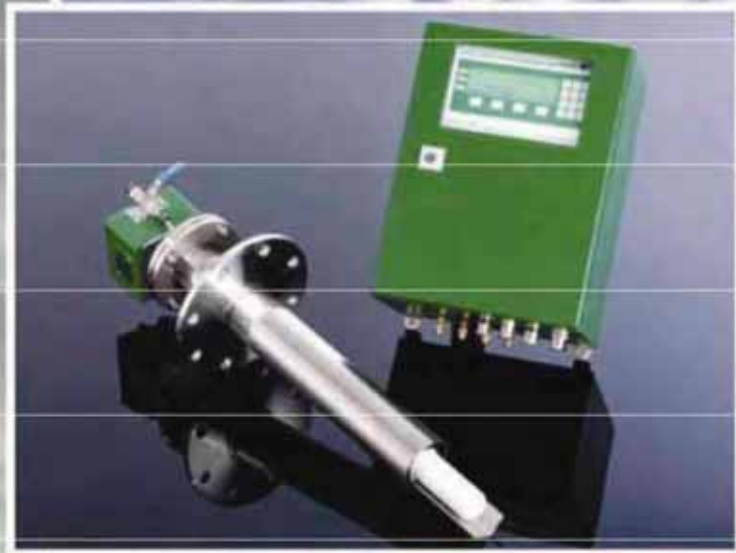




**ENOTEC**


**ZIRCONIUM OXYGEN  
ANALYZING SYSTEM**

# **OXITEC 5000**



**HIGHLY ACCURATE MEASUREMENT WITH  
SPECIAL SEALING TECHNIQUE**

No calibration necessary/Installation • Handling easier

**TÜV TA-Luft** 

**KANSAI Automation Co., Ltd.**

CAT.No. BBN-OXITEC5000-0302



### OXITEC® OXYGEN ANALYSER

Gas-tight cell design using ENOTEC soldering technique  
High-precision, high-reliability & a long life guaranteed

The zirconium oxygen analyzer is the high precision and most reliable meter applying a simple measurement principle. OXITEC series employ the special soldering technique(Multi-layer Technology) for the measuring cell and have it operate for a much longer life in completely isolating measuring gas/reference gas, which ensures a reliable measurement for a long period of time to reduce workload, time and cost required for maintenance. The soldered cell excels in heat resistance and can be heated up to 840°C, thus expanding the dynamic range as well as the higher resolution. The sensor building in this cell is applied to all types including OXITEC5000 and ECONOMY.

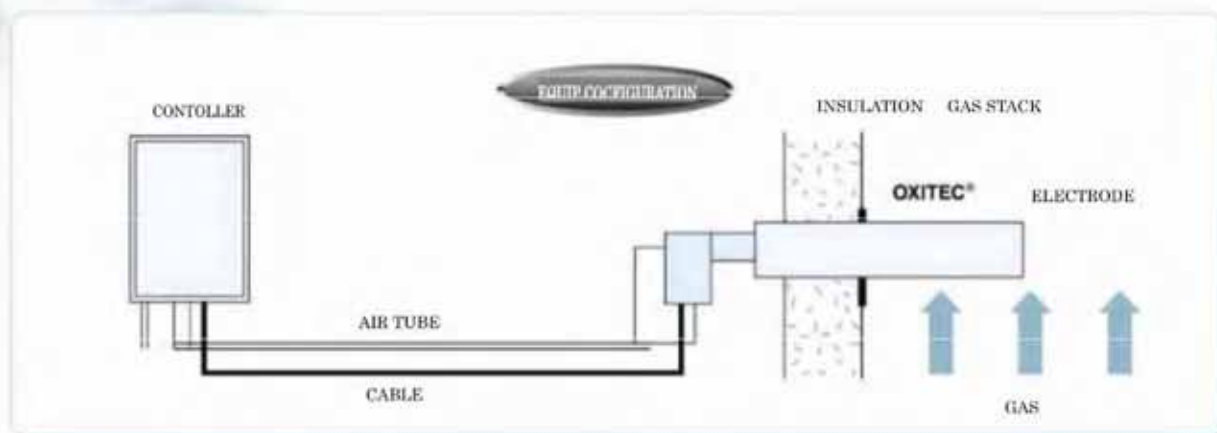


#### ■ FEATURES

- Automatic start-up
- Accessory for installation – one package of cable
- Preventive measures taken to ensure the long-lasting operation.
- Nearly maintenance-free
- Components can be replaced by the customer.
- No need for gas sampling and processing.
- Explosion-proof designs
- Probes are suitable for applications at up to 1400°C.

#### ■ APPLICATIONS

- Power plant
- Waste incineration system
- Iron making · Non-ferrous metal
- Food
- Beverage · Brewing
- Chemical
- Purification · Petrochemical
- Paper · Pulp
- Cement
- Glass · Carbon · Ceramic



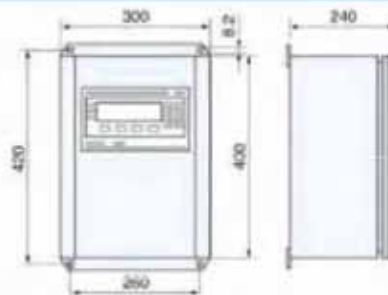
The OXITEC 5000 is the most common zirconium oxygen analyzing system. It builds in an air unit for reference gas and is ready to be calibrated. It can easily be compatible with existing sensors including DN/JIS flange. The probe is heat-resistant up to 600°C of gas temperature, and a variety of models are lined up to be able to work on for gas breaking out from various fuels including high-dust concentrations.

- It is equipped with a pneumatic unit, and its operational confirmation is simple.
- Stable measurement for an extended period of time with a filter and V-deflector dependant on the application.
- Suitable for measurement up to the maximum of 1400°C in temperature if it is equipped with a gas-cooling-tube sensor.
- It is possible to manufacture a long probe in 3600mm at the maximum.
- It is possible to select the best one of three types of controllers.
- Explosion-proof type is available for the dangerous place.

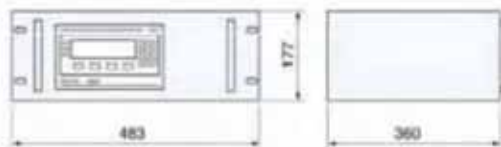
■ CONTROLLER



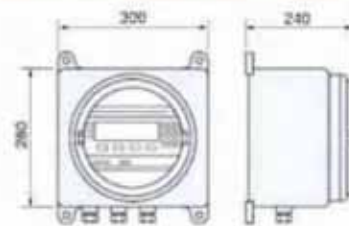
Wall Hanging



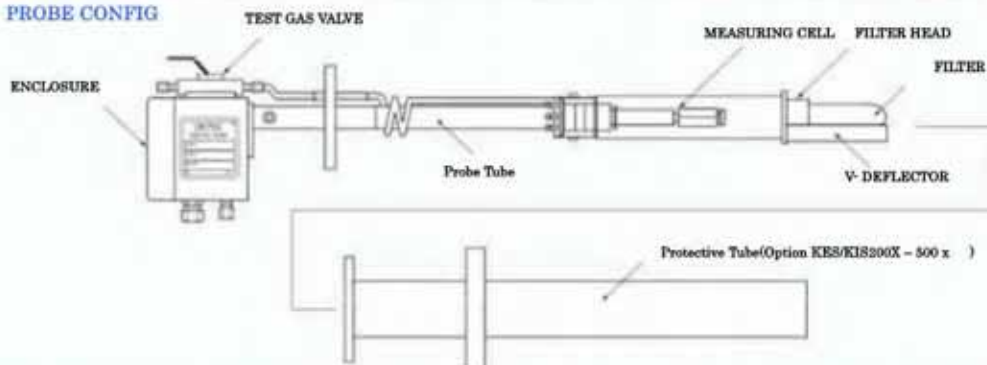
Built-in



Explosion proof



■ PROBE CONFIG



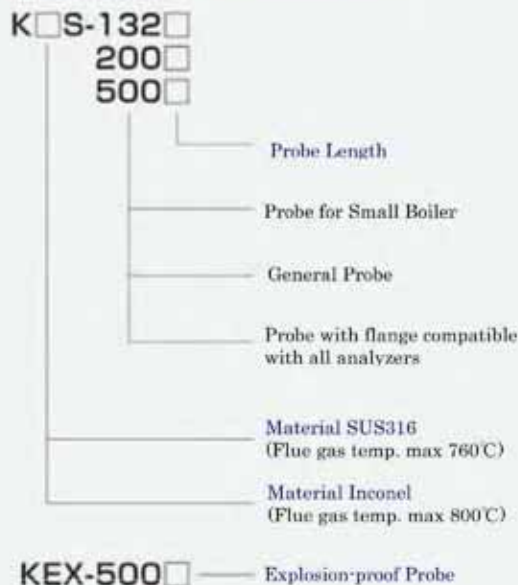


■ SPECIFICATIONS

ITEMS		OXITEC 5000	
FUNCTION	Sensitivity	Below 1ppm O2	
	Accuracy	±0.2% (from measured value)	
	Resolution(A/D Converter)	14 Bit	
CONTROLLER	Housing	A) Wall-hanging Type with a window box SS, IP65 400mm x 300mm x 225mm	
		B) Build-in Type with a window box SS, IP54 177mm x 483mm x 380mm	
		C) Wall-hanging explosion-proof with a round Window box AC EExd II C T3 280 x 300 x 240mm	
	Power voltage	115VAC or 230VAC 50/60Hz	
	Power Consumption	100-200VA (400VA at start-up)	
	Recommended Fuse	10A	
	Temperature	-20~+55°C (other temp on request)	
	Range	2 measuring ranges, 0 - 99% adjustable	
	Output	Analogue	0/4-20mA max.500Ω resistance load
		Indication	System error, maintenance
			System error, maintenance
		Relay Contact	Upper limit, Lower limit
			Contact capacity: 230VAC 5A Resistance load
	Display	LCD/LED, Graphic display	
	Interface	RS232, RS485, bus compatible	
PROBE (Electrode)	Housing	AC, IP65	
	Flue gas temperature	Max 600°C, 700°C, 800°C or Max 1400°C (with KSR gas cooling tube)	
		*Explosion-proof max 500°C or Max 1400°C (with KSR-cooling tube)	
	Material	SUS316	
	Mounting Specification	DN or JIS Flange (on request)	
	Gas Flow Velocity	Max 50m /second	
	Flue gas pressure	-50 to +50 mbar	
	Ambient Temp.	-40 - +80°C	
	Response Time	0.5s (flue gas flowing = 10m/second)	
	Cable	Max 150m	
	OPTIO	Pneumatic unit	Standard equipment for OXITEC 5000 series
Automatic Calibration		Optional equipment	
Interface		Refer to above	

※予告なく仕様変更することがありますので予めご了承下さい。 Specifications and descriptions of this catalog are subject to change without notice for improvement.

■ DESIGNATION OF PROBE MODEL



PROBE DIMENSIONS			
TYPE	SERIES NO.	LENGTH	
KES	132	1	385mm
		2	475mm
		3	615mm
KES (KIS)	200	1	495mm
		2	925mm
		3	1835mm
		4	2768mm
		5	3682mm
KES	500	1	520mm
		2	950mm
		3	1865mm
(Exp Proof) KEX	500	1	464mm
		2	924mm

製造元  
**ENOTEC**

■ 営業品目 HANDLING ITEMS

- ① 回転式レベルスイッチ
- ⑳ フロースイッチ
- ② 振動式レベルスイッチ
- ㉑ 電極式レベルスイッチ
- ③ 音波式レベルスイッチ
- ㉒ フロートスイッチ
- ④ 静電容量式レベルスイッチ
- ㉓ フロート式レベルメータ
- ⑤ 静電容量式近接センサ
- ㉔ 超音波式レベルメータ
- ⑥ 静電容量式レベルメータ
- ㉕ コンペア周辺機器
- ⑦ ダイヤフラム式レベルスイッチ
- ㉖ ダストモニタ
- ⑧ チルトスイッチ
- ㉗ レーザー式レベルメータ
- ⑨ リーク式レベルスイッチ
- ㉘ 電波式レベルメータ
- ⑩ マイクロウェーブスイッチ
- ㉙ 液体分析オンラインセンサ
- ⑪ サウンディング式レベルメータ
- ㉚ 液体超音波流量計

ご使用に際しては取扱説明書を必ずお読み下さい。  
Please surely read the user manual when you operate instruments.

Nuclear Power Generation to Rice Milling  
All-round Manufacturer of Level Controllers for Powder, Granules and Liquid

**KANSAI Automation Co., Ltd.**

Headquarters : TEL. 81-6-6312-2071 FAX. 81-6-6314-0848  
URL : <http://www.kansai-automation.co.jp>  
e-mail : [info@kansai-automation.co.jp](mailto:info@kansai-automation.co.jp)

Headquarters: 2-14, Togano-cho, Kita-ku, Osaka 530-0056, Japan  
Tel 81-6-6312-2071 Fax 81-6-6314-0848

Tokyo Branch: 1-29-6, Hamamatsu-cho, Minato-ku, Tokyo 105-0013, Japan  
Tel 81-3-5777-6931 Fax 81-3-5777-6933

Nagoya Office: 3-31-27, Uchiyama, Chigusa-ku, Nagoya 464-0075, Japan  
Tel 81-52-741-2432 Fax 81-52-741-1588

Kyushu Office: 1-2-39, Asano, Kokura Kita-ku, Kitakyushu 802-0001, Japan  
Tel 81-93-511-4741 Fax 81-93-511-4580

代理店/Agent



SCIGATE AUTOMATION (S) PTE LTD

No.1 Bukit Batok Street 22 #01-01 Singapore 659592  
Tel: (65) 6561 0488 Fax: (65) 6562 0588  
Email: [sales@scigate.com.sg](mailto:sales@scigate.com.sg) Web: [www.scigate.com.sg](http://www.scigate.com.sg)  
Business Hours: Monday - Friday 8.30am - 6.15pm