



ENOTEC

ZIRCONIUM OXYGEN
ANALYZING SYSTEM

OXITEC ECONOMY



REDUCED MAINTENANCE COST
WITH LONG-LIVED CELL

TÜV TA-Luft CE



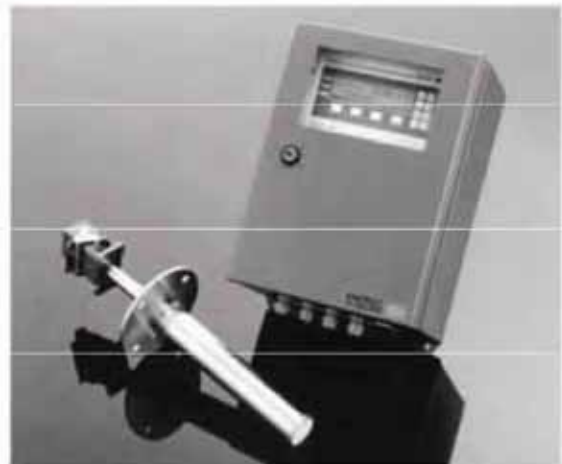
OXITEC[®] ECONOMY

MLT HIGH PROTECTION CELL IS APPLIED TO MEASURE OXYGEN FOR SMALL TO MEDIUM SIZE BOILERS.

The High Protection cell Multi-Layer-Technology that is critical for the model of OXITEC5000 in terms of the long measuring life and the measurement accuracy, has been applied to ECONOMY as well, thus making such a highly efficient and lower cost Zirconium Oxide measuring sensor.

Oxygen Analyser under OXITEC series, featured by the sealing technology that is thermal shock resistant, has proved its long life and its high resolution for a long period time. It has wider dynamic range as it can withstand high temperature and reduce its running cost for lower maintenance. OXITEC ECONOMY, taking in these advantages, has been developed to measure oxygen for small to medium size boilers.

*Although it can be used in applications to 1400°C depending on a probe, it is intended and suitable for use in relative clean-gas applications.



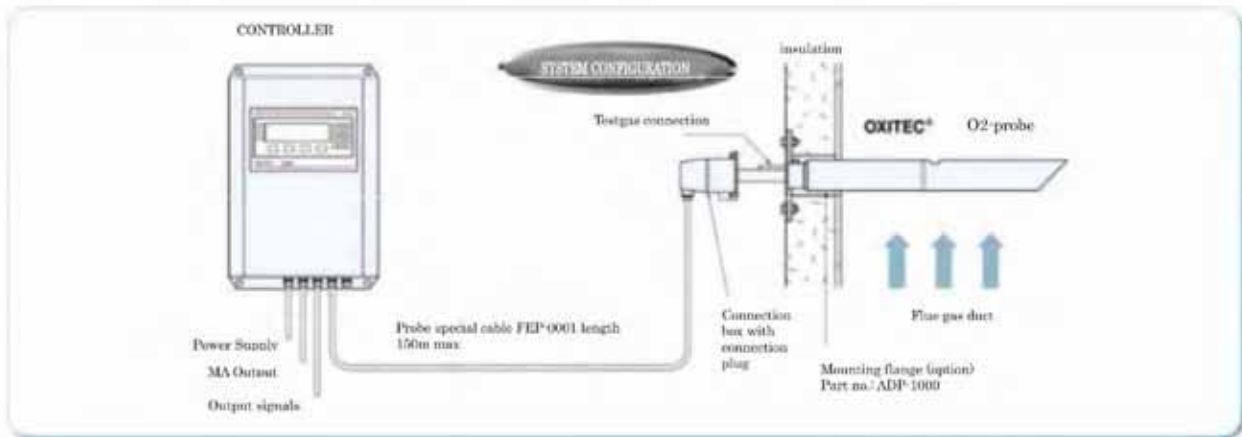
■ FEATURES

- High-protection Cell with our special Multi-Layer Technology.
- Factory calibrated
- Easy installation and simple operation
- Cell with a longer measuring life is equipped with.
- Lower maintenance
- Customer can replace parts.
- Gas sampling/processing not required.
- It can be used in applications of high temperature to 1400°C.
- Faster response time – flue gas velocity

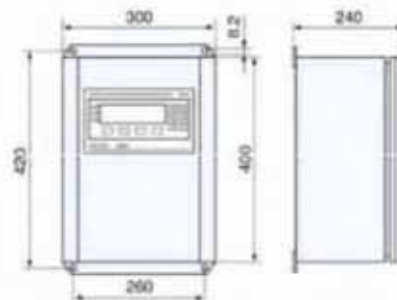
■ APPLICATIONS

- Power plant
- Waste incineration system
- Food industry for sugar, coffee & others
- Beverage/brewing
- Chemical industry for soap, paint, rubber and others
- Petrochemical for PVC and others
- Paper/pulp industry
- Cement industry
- Glass, Carbon, Ceramic

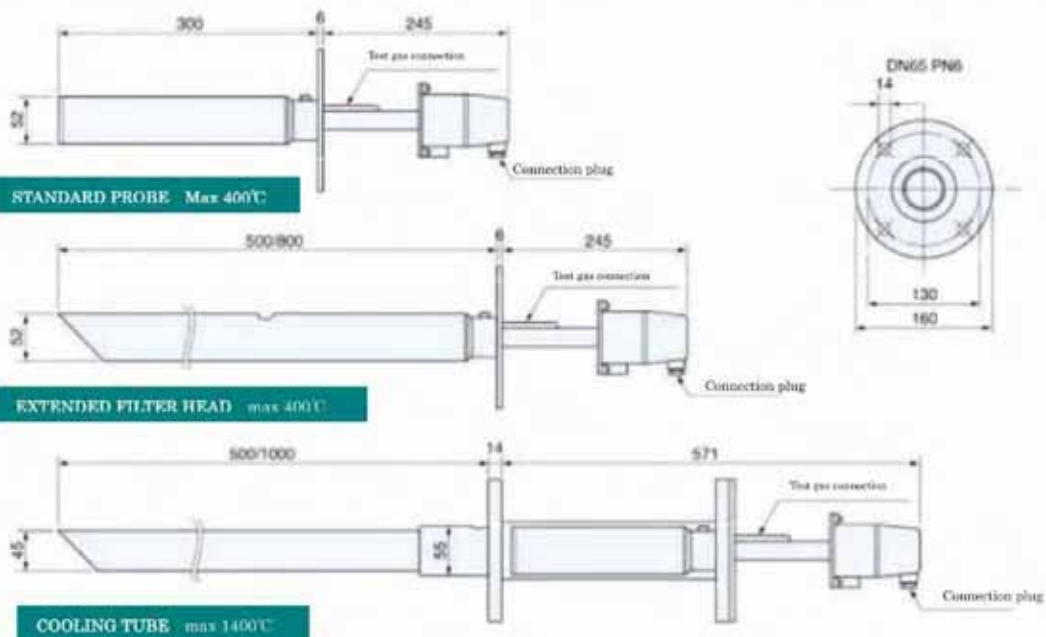




■ CONTROLLER



DESIGN OF MEASURING PROBE				
Master No.	Branch No	Insertion length	Temperature	Supplemental
ECO-0000	1	300mm	Max 400°C	Standard
	2	500mm	Max 400°C	Extended Filter Head
	3	800mm	Max 400°C	Extended Filter Head
	4	500mm	Max 1400°C	Cooling Tube
	5	1000mm	Max 1400°C	Cooling Tube



■ OUTLINE OF SPECIFICATIONS

ITEMS		OXITEC ECONOMY	
FUNCTION	Sensitivity	below 1ppm O ₂	
	Accuracy	±0.2% (from measured value)	
	Resolution(A/D Converter)	14 Bit	
CONTROLLER	Housing	Wall-hanging Type with a window box SS, IP65 400mm x 300mm x 240mm	
	Power voltage	115VAC or 230VAC 50/60Hz	
	Power Consumption	100 - 200VA (400VA at start-up)	
	Recommended Fuse	10A	
	Temperature	- 10 ~ +45°C	
	Range	1 range, 0 - 99% adjustable	
	Output	Analogue	0/4-20mA max 500Ω resistance load
		Indication	System error, maintenance
		Relay contact	Option
	Interface	Option	
Display	LCD/LED, Graphic display		
PROBE(Electrode)	Housing	AC, IP65	
	Flue gas temperature	Max 400°C or max 1400°C (KSR gas cooling tube)	
	Material	SUS316	
	Mounting specification	DN65/ PN6 (can manufacture JIS Flange)	
	Gas flow velocity	Max 25m /second	
	Flue gas pressure	- 50mbar ~ +50mbar	
	Ambient Temperature	- 40°C ~ +80°C	
	Response time	0.5s (flue gas flowing = 10m/second)	
	Cable	6m, 12m, 18m, 24m, 30m (on request)	
	Interface	RS232	
OPTION	Output contact	System error, Maintenance, Upper limit, Lower-limit relay-contact output Contact capacity: 230VAC 5A resistance load	



※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 the catalog are subject to change without notice for improvement.

製造元 ENOTEC

■ 営業品目 HANDLING ITEMS

- | | |
|------------------|----------------|
| ① 回転式レベルスイッチ | ⑭ フロースイッチ |
| ② 振動式レベルスイッチ | ⑮ 電極式レベルスイッチ |
| ③ 自液式レベルスイッチ | ⑯ フロートスイッチ |
| ④ 静電容量式レベルスイッチ | ⑰ フロート式レベルメータ |
| ⑤ 静電容量式近接センサ | ⑱ 超音波式レベルメータ |
| ⑥ 静電容量式レベルメータ | ⑲ コンペア周辺機器 |
| ⑦ ダイアフラム式レベルスイッチ | ⑳ ガストモニタ |
| ⑧ チルトスイッチ | ㉑ レーザ式レベルメータ |
| ⑨ リーク式レベルスイッチ | ㉒ 電液式レベルメータ |
| ⑩ マイクロウェーブスイッチ | ㉓ 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 | ㉔ 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

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