



## OXITEC<sup>®</sup> 5000 - Electronic Unit

<b>Housing:</b>	sheet steel ST37 powder coated, RAL6029 (GRP-version optional)
<b>IP code:</b>	IP66
<b>Display:</b>	LC dot matrix 240 x 64 - LED backlit
<b>Keypad:</b>	membrane keypad
<b>Signal LEDs:</b>	alarm -orange, maintenance - orange, error -red
<b>O<sub>2</sub> measuring ranges:</b>	2 x 0 - 2 % O <sub>2</sub> to 0 - 25 % O <sub>2</sub>
<b>Accuracy:</b>	± 0,2 % of measured value
<b>Response time:</b>	change of 100mV at sensor input < 200ms
<b>ACAL (automatic calibration):</b>	1 or 2 point automatic calibration
<b>Mains voltage:</b>	230V ±10 % 50 to 60 Hz 115V ±10 % 50 to 60 Hz
<b>Power consumption:</b>	400 VA (heating phase) 200 VA (typical measuring mode)
<b>Recommended fuse:</b>	10A
<b>Output signal O<sub>2</sub>:</b>	active, 0/4 to 20 mA max. load 500 Ω, galvanically isolated
<b>Relay contact:</b>	24 V AC/DC, 1 A
<b>Relay contact solenoid valve:</b>	230 V AC, 1 A
<b>Dimensions:</b>	300 x 440 x 240 mm (B x H x T)
<b>Weight:</b>	ca. 19 kg*
<b>Temperature range - storage**:</b>	-40 °C to +80 °C
<b>Temperature range - operation**:</b>	-20 °C to +55 °C

\* Dependant on version and options

\*\* Other temperature ranges on request



## OXITEC<sup>®</sup> 5000 - Probe

<b>Process gas temperature:</b>	max. 800 °C (1472 °F) up to 1400 °C (2552 °F) with cooling protection tube
<b>Immersion depth:</b>	KES 1321: 385mm KES 1322: 475mm KES 1323: 615mm  KES/KIS 2001: 495mm KES/KIS 2002: 925mm KES/KIS 2003: 1835mm KES/KIS 2004: 2768mm KES/KIS 2005: 3682mm  KES 5001: 520mm KES 5002: 950mm KES 5003: 1865mm
<b>Immersion depth with cooling tube:</b>	500mm / 1000mm others on request
<b>Measuring principle:</b>	Zirconium oxide
<b>Process gas pressure:</b>	-50 to +50mbar (-0.725 to +0.725 PSIG)
<b>Flow velocity:</b>	0 to 50m/s
<b>Ambient temperature:</b>	-40°C to +80°C (-40 °F to +176 °F)
<b>Reaction time:</b>	0.5s (process flow velocity > 10m/sec.)
<b>T90-time:</b>	5.0s (process flow velocity > 10m/sec.)
<b>Probe material:</b>	V4A (DIN 1.4571 / SS316Ti)
<b>IP code:</b>	IP65
<b>Detection limit:</b>	< 1ppm O <sub>2</sub>
<b>Power supply:</b>	through electronic unit