
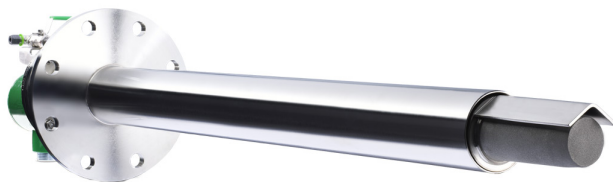





## OXITEC® 5000 - Electronic Unit

<b>Housing:</b>	die-cast aluminium with inspection window, RAL6029
<b>Ignition protection type:</b>	 II 2G Ex d IIC T6 Gb
<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>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>Reaction 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>	700 x 356 x 200 mm (B x H x T)
<b>Weight:</b>	ca. 32 kg
<b>Temperature range - storage*:</b>	-40 °C to +80 °C
<b>Temperature range - operation*:</b>	-20 °C to +55 °C

\* Other temperature ranges on request



## OXITEC® 5000 - Probe

<b>Process gas temperature:</b>	max. 500 °C (932 °F) up to 1400 °C (2552 °F) with cooling protection tube
<b>Immersion depth:</b>	KEX 5001: 464mm KEX 5002: 924mm
<b>Immersion depth with cooling tube:</b>	500mm / 1000mm others on request
<b>Measuring principle:</b>	Zirconium oxide
<b>Process gas pressure:</b>	-50 mbar to +50 mbar (-0.725 to +0.725 psig)
<b>Flow velocity:</b>	0 to 50m/s
<b>Ambient temperature:</b>	-20°C to +55°C (-4°F to +131°F)
<b>Reaction time (O<sub>2</sub>):</b>	0.5s (process flow velocity > 10m/sec.)
<b>T90-time (O<sub>2</sub>):</b>	30s (process flow velocity > 10m/sec.)
<b>Probe material:</b>	V4A (DIN 1.4571 / SS316Ti)
<b>Ignition protection type:</b>	 II 2G Ex d IIC T3 Gb
<b>IP code:</b>	IP 66
<b>Certificate number:</b>	BVS 03 ATEX E 105 X
<b>Detection limit:</b>	< 1ppm O <sub>2</sub>
<b>Power supply:</b>	through electronic unit