




OXITEC[®] 5000



 - O₂ InSitu Probe

Process gas temperature:	max. 500 °C (932 °F) max. 1400 °C (2552 °F) with cooling protection tube
Immersion depth:	KEX 5001: 464mm KEX 5002: 924mm
Immersion depth with cooling tube*:	500 mm/1000 mm
Measuring principle:	Zirconium oxide
Flue gas pressure*:	-50 mbar to +50 mbar -0.725 PSIG to +0.725 PSIG (to atmosphere pressure)
Flue gas flow velocity*:	0-10 m/s
Ambient temperature:	-20 °C to + 55 °C (-4 °F to + 131 °F)
Reaction time (O₂):	< 1 s (with test gas)
T90-time (O₂):	< 5 s (with test gas)
Probe material:	Stainless steel (SS316)
Ignition protection type:	 II 2G Ex db IIC T3 Gb
IP code:	IP66
Certificate number:	BVS 03 ATEX E 105 X + supplement
Power supply:	through electronic unit



OXITEC[®] 5000

 - Electronic unit

Housing:	die-cast aluminium with inspection window, RAL 6029
Ignition protection type:	 II 2G Ex dB IIC T6 Gb /  II 2G Ex tB IIIC T85°C Db /IP66
IP code:	IP66
Display:	LC dot matrix 240 x 64 - LED backlit
Keypad:	membrane keypad
Signal LEDs:	Alarm: orange, Maintenance: orange, Error: red
O₂ - Measuring ranges*:	2 ranges, freely configurable from 0-2 Vol.% to 0-25 Vol.%
O₂ - Accuracy:	< 0.5 % of measured value or 0.02 Vol% O ₂ (higher value valid)
ACAL (automatic calibration):	1-point with air or 2-point with air and test gas bottle through external connection. Optional: automatic adjustment
Mains voltage:	115 V AC +/- 10 %, 50/60 Hz 230 V AC +/- 10 %, 50/60 Hz
Power consumption:	400 VA (heating phase) 200 VA (typical measuring mode)
Recommended fuse:	10 A
Output signal O₂:	active, 0/4 to 20 mA max. load 500 Ω, galvanically isolated
Relay contact:	24 V AC/DC, 1A
Relay contact solenoid valve:	230 V AC, 1A
Dimensions:	230 V AC, 1A
Weight:	700 x 356 x 200 mm (B x H x T)
Temperature range - storage:	ca. 32 kg
Temperature range - operation*:	-40 °C to + 80 °C
Ignition protection type:	-20 °C to + 55 °C

*Others temperatures on request