



OXITEC[®] 5000

O₂ InSitu Probe

Process gas temperature: max. 600 °C
max. 800 °C (1472 °F) with Incoloy probe model
max. 1400 °C (2552 °F) with cooling protection

Immersion depth:

KES/KIS-2001:	493 mm
KES/KIS-2002:	925 mm
KES/KIS-2003:	1839 mm
KES/KIS-2004:	2764 mm
KES/KIS-2005:	3689 mm

KES-5001:	508 mm
KES-5002:	939 mm

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: -40 °C to + 80 °C

Reaction time (O₂): < 1 s (with test gas)

T90-time (O₂): < 5 s (with test gas)

Probe material: Stainless steel (SS316)

Power supply: Through electronic unit



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Electronic unit

Housing:	sheet steel ST37 powder coated, RAL 6029; (GRP-version optional)
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:	300 x 440 x 240 mm (B x H x T)
Weight**:	ca. 19 kg
Temperature range - storage:	-40 °C to + 80 °C
Temperature range - operation*:	-20 °C to + 55 °C

*Others on request

**Dependent on version and options