



# ENSITU<sup>®</sup> 7000

## O<sub>2</sub> InSitu Probe

<b>Process gas temperature:</b>	max. 600 °C	
<b>Immersion depth:</b>	KES-7000:	313 mm
	KES-7001:	536 mm
	KES-7002:	993 mm
<b>Weight: (with electronics)</b>	KES-7000:	5,9 kg
	KES-7001:	7,7 kg
	KES-7002:	9,8 kg
<b>Measuring principle:</b>	Zirconium oxide	
<b>Flue gas pressure:</b>	-50 mbar to +50 mbar -0.725 PSIG to +0.725 PSIG (to atmosphere pressure)	
<b>Flue gas flow velocity:</b>	0-10 m/s	
<b>Reaction time (O<sub>2</sub>):</b>	< 1 s (with test gas)	
<b>T90-time (O<sub>2</sub>):</b>	< 5 s (with test gas)	
<b>Probe material:</b>	Stainless steel (SS316)	
<b>Power supply:</b>	Through electronic unit	



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## Electronic unit

<b>Housing:</b>	Aluminium Housing, RAL 6029
<b>IP code:</b>	IP66 / NEMA 4X
<b>Display:</b>	4-digit 7-segment display
<b>Control:</b>	ENOTEC Remote App, multilingual
<b>Signal LED:</b>	Operation, Remote, Error
<b>O<sub>2</sub> - Measuring ranges*:</b>	2 ranges, freely configurable from 0-2 Vol.% to 0-25 Vol.%
<b>O<sub>2</sub> - Accuracy:</b>	< 0.5 % of measured value or 0.02 Vol % O <sub>2</sub> (higher value valid)
<b>Main voltage:</b>	48 VDC, 5A max
<b>Output signal O<sub>2</sub>:</b>	active, 4 to 20 mA
<b>Dimensions:</b>	180 x 150 x 90 mm (H x W x D)
<b>Weight:</b>	ca. 1,7 kg
<b>Ambient temperature:</b>	-40 °C to +70 °C
<b>Connection Probe ⇔ Electronics:</b>	Industrial connector (Harting)
<b>Maximum distance probe ⇔ Electronics:</b>	30 m
<b>Features:</b>	Measured values, parameter settings, Calibration, error diagnostics, logging, data transmission (per remote app)

\*Others on request