



ENSITU® 7000

Transmitter Probe

Insertion depth:	KES-7000 - 313 mm KES-7001 - 536 mm KES-7002 - 996 mm
Filter:	Sintered metal / Basalt / Ceramic (Filter head with V-Shield)
Test gas shut-off:	Check valve
IP code:	IP66 / NEMA 4X
Probe material:	1.4571 (316Ti)
Max. process gas temperature:	600 °C
Process gas pressure:	950 - 1050 mbar
Flow velocity:	0 - 20 m/s
Flange connection corresponds to:	DN65 PN6
Reaction time:	Approx. 0,5 seconds
Measuring principle:	Zirconium oxide, InSitu
Sensor temperature:	800 °C
Ambient temperature probe,	-40 °C ... + 80 °C
Weight:	KES-7000 - 4,8 kg KES-7001 - 5,9 kg KES-7002 - 8,1 kg



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Electronics in transmitter housing

Electronics model:	SME-7000
IP code:	IP66 / NEMA 4X
Housing material:	Aluminium housing with display, RAL 6029
Measurements:	Approx. 180x150x90 mm (HxWxD)
Supply voltage:	48 VDC, 5A max.
Measuring range O ₂ :	0 - 25 % O ₂ (adjustable)
Accuracy:	± 0,2 % O ₂
Output:	4 - 20 mA
Display:	O ₂ measured value, system status
Weight:	1,7 kg

General

Ambient temperature:	-40 °C ... +70 °C
Weight of transmitter probe:	KES-7000 - 6,5 kg KES-7001 - 7,6 kg KES-7002 - 9,8 kg
Connection probe <=> electronics:	Industrial connector
Maximum distance probe <=> electronics:	50 m
Operation:	ENOTEC Remote App (multilingual), Digital input
Features:	Measured values, parameter settings, calibration, error diagnostics, logging, data transmission

** Other specifications available upon request.**