



SILOTEC[®] 8000

Measuring probe

Housing:	GRP transmitter protection box with reduced surface resistance acc. to EN 60079-0
IP code:	IP65, suitable for erection in zone 22
Dimensions:	640 x 440 x 430 mm
Mounting flange:	DN65 PN6
Sample probe:	500 mm insertion length in ATEX zone 20
Measuring principle:	Zirconium oxide for O ₂ Zirconium oxide for O ₂ MXP for CO _e
Additional features:	Sample probe with 3 µm filter porosity Injector for sample gas extraction Sample gas flowmeter with alarm module
Options:	Automatic blow-back with 4 l buffer tank SIL2 certified O ₂ measurement
Power and gas supply:	through electronic unit
Temperature range - storage: *	-40 °C to + 80 °C
Temperature range - operation: *	-20 °C to + 55 °C



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Electronic unit

Housing:	sheet steel ST37 powder coated; RAL6029 (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 x 0-2 % O ₂ to 0-25 % O ₂
Accuracy O₂:	better 0,2% of measured value
CO_e measuring range:	0 to 5000 ppm CO _e
Accuracy CO_e:	better 5% of range end
ACAL (automatic calibration):	1-point with air or 2-point with air and test gas bottlethrough external connection. Optional: automatic adjustment
Mains voltage:	115 V AC +/- 10 %, 50/60 Hz 230 V AC +/- 10 %, 50/60 Hz
Power consumption:	425 VA (heating phase) 225 VA (measuring mode)
Recommended fuse:	10 A
mA output:	2x 4 – 20 mA; potential-free; 500 Ω max.
Relay contacts:	24 V AC/DC, 1 A; failure, maintenance, 2x limit alarms
Compressed air:	approx. 500 l/h at 2 – 10 bar; acc. ISO 8573-1 class 2
Dimensions:	300 x 440 x 240 mm (W x H x D)
Weight:	approx. 18 kg
Temperature range - storage: *	-40 °C to +80 °C
Temperature range - operation: *	-20 °C to +55 °C

* Other temperatures on request