



# SILOTEC<sup>®</sup> 8000

## Measuring probe

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



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## Electronic unit

<b>Housing:</b>	sheet steel ST37 powder coated; RAL6029 (GRP version optional)
<b>IP code:</b>	IP66
<b>Display:</b>	LC Dot Matrix 240 x 64 - LED backlit
<b>Keypad:</b>	membrane keypad
<b>Signal LEDs:</b>	alarm: orange, maintenance - orange, error - red
<b>O<sub>2</sub> measuring ranges:</b>	2 x 0-2 % O <sub>2</sub> to 0-25 % O <sub>2</sub>
<b>Accuracy O<sub>2</sub>:</b>	better 0,2% of measured value
<b>CO<sub>e</sub> measuring range:</b>	0 to 5000 ppm CO <sub>e</sub>
<b>Accuracy CO<sub>e</sub>:</b>	better 5% of range end
<b>ACAL (automatic calibration):</b>	1-point with air or 2-point with air and test gas bottlethrough external connection. Optional: automatic adjustment
<b>Mains voltage:</b>	115 V AC +/- 10 %, 50/60 Hz 230 V AC +/- 10 %, 50/60 Hz
<b>Power consumption:</b>	425 VA (heating phase) 225 VA (measuring mode)
<b>Recommended fuse:</b>	10 A
<b>mA output:</b>	2x 4 – 20 mA; potential-free; 500 Ω max.
<b>Relay contacts:</b>	24 V AC/DC, 1 A; failure, maintenance, 2x limit alarms
<b>Compressed air:</b>	approx. 500 l/h at 2 – 10 bar; acc. ISO 8573-1 class 2
<b>Dimensions:</b>	300 x 440 x 240 mm (W x H x D)
<b>Weight:</b>	approx. 18 kg
<b>Temperature range - storage: *</b>	-40 °C to +80 °C
<b>Temperature range - operation: *</b>	-20 °C to +55 °C

\* Other temperatures on request