



# AQUATEC<sup>®</sup> 1000

## Probe

<b>Process gas temperature:</b>	max. 250 °C (482 °F)
<b>Immersion depth:</b>	max. 615 mm
<b>Measuring principle:</b>	Zirconium oxide
<b>Process gas pressure:</b>	-50 to +50 mbar -0.725 to +0.725 PSIG (based on atmospheric pressure)
<b>Flow velocity:</b>	0-10 m/s
<b>Ambient temperature:</b>	-40°C to + 80°C (-40 °F to + 176 °F)
<b>Reaction time:</b>	< 1 s (with test gas)
<b>T90-time:</b>	< 5 s (with test gas)
<b>Probe material:</b>	Stainless steel (SS316)
<b>IP Code:</b>	IP65
<b>Power supply:</b>	through electronic unit



# AQUATEC<sup>®</sup> 1000

## Electronic Unit

<b>Housing:</b>	sheet steel ST37 powder coated, RAL 6029 (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 range*:</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>ACAL (automatic calibration)</b>	1-point with air or 2-point with air and test gas bottle through external connection Optional: automatic adjustment	
<b>Mains voltage:</b>	230 V AC +/- 10 %, 50/60 Hz 115 V AC +/- 10 %, 50/60 Hz	
<b>Power consumption:</b>	425 VA (heating phase) 225 VA (typical measuring mode)	
<b>Recommended fuse:</b>	10 A	
<b>Output signal:</b>	<b>O<sub>2</sub>:</b> active, 0/4 to 20 mA max. load 500 Ω	<b>H<sub>2</sub>O:</b> active, 4 to 20 mA max. load 500 Ω
<b>Relay contact:</b>	24 V AC/DC, 1A	
<b>Relay contact solenoid valve:</b>	230 V AC, 1A	
<b>Dimensions:</b>	300 x 440 x 220 mm (B x H x T)	
<b>Weight:</b>	ca. 19 kg	
<b>Temperature range - storage*:</b>	-40 °C to + 80 °C	
<b>Temperature range - operation*:</b>	-20 °C to + 55 °C	

\* Other temperature ranges on request