



# OXITEC<sup>®</sup> 500E

<b>Housing:</b>	Aluminium 19" 4HE; RAL 9006, RAL 7016
<b>IP code:</b>	IP20
<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>Measuring principle:</b>	Zirconium oxide
<b>Cuvette:</b>	built into the housing; material: stainless steel
<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>ACAL (automatic calibration):</b>	1-point with air or 2-point with air and test gas bottle through external connection. Optional: automatic adjustment
<b>Reaction time:</b>	< 5 sec.
<b>Pneumatic connections - gas entry:</b>	6 mm pipe diameter
<b>Pneumatic connections - gas exit:</b>	10 mm pipe diameter
<b>Pneumatic connections - instrument air entry**:</b>	6 mm pipe diameter
<b>Mains voltage:</b>	115 V AC +/- 10 %, 50/60 Hz 230 V AC +/- 10 %, 50/60 Hz
<b>Power consumption:</b>	250 VA (heating phase) 150 VA (typical measuring mode)
<b>Recommended fuse:</b>	6,3 A T
<b>Output signal O<sub>2</sub>:</b>	active, 0/4 to 20 ma max. load 500 Ω, galvanically isolated
<b>Relay contacts:</b>	24 V AC/DC, 1A
<b>Dimensions:</b>	483 x 178 x 468 mm (B x H x T)
<b>Weight:</b>	ca. 13 kg*
<b>Temperature range - storage:</b>	-40 °C to + 80 °C
<b>Temperature range - operation*:</b>	-20 °C to + 55 °C -20 °C to + 40 °C (with reference air pumps)

\* Others on request

\*\* Only with system option: Instrument air supply