



## COMTEC<sup>®</sup> 6000 - Electronic Unit

<b>Housing:</b>	Sheet steel ST37 powder coated RAL6029 (GFK 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 x 0-2 % O <sub>2</sub> to 0-25 % O <sub>2</sub>
<b>Accuracy:</b>	± 0,2 % of measured value
<b>Response time:</b>	Change of 100mV at sensor input < 200ms
<b>COe measuring range:</b>	0 to (500 ... 2000) ppm COe
<b>ACAL (Automatic calibration):</b>	1 or 2 point automatic calibration
<b>Mains Voltage:</b>	230V ±10 % 50 to 60 Hz 115V ±10 % 50 to 60 Hz
<b>Power consumption:</b>	425 VA (heating phase) 225 VA (typical measuring mode)
<b>Recommended fuse:</b>	10A
<b>Output signal O<sub>2</sub>:</b>	Active, 0/4 to 20 mA max. load 500 Ω
<b>Output signal COe:</b>	Active, 4 to 20 mA max. load 500 Ω
<b>Relay contact:</b>	24 V AC/DC, 1 A
<b>Relay contact solenoid valve:</b>	230 V AC, 1 A
<b>Dimensions:</b>	300 x 440 x 240 mm (B x H x T)
<b>Weight:</b>	ca. 20 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



## COMTEC<sup>®</sup> 6000 - Probes

<b>Process gas temperature:</b>	Up to 500 °C (932 °F) without cooling tube Up to 1400 °C (2552 °F) with cooling tube
<b>Immersion depth:</b>	KES-6001: 470 mm KES-6002: 930 mm KES-6003: 1850 mm
<b>Immersion depth with cooling tube:</b>	500mm / 1000 mm Others on request
<b>Measuring principle:</b>	Zirconium oxide for O <sub>2</sub> MXP for CO <sub>e</sub>
<b>Process gas pressure:</b>	-50°C to +50 mbar (-0.725 to +0.725 PSIG)
<b>Flow Velocity:</b>	0 to 50 m/s
<b>Ambient temperature:</b>	-40 °C to +80 °C (-40 °F to +176 °F)
<b>Reaction time:</b>	0,5 s (Process flow velocity > 10m/sec.)
<b>T90:</b>	5 s (Process flow velocity > 10m/sec..)
<b>Probe material:</b>	V4A (DIN 1.4571 / SS316Ti)
<b>IP Code:</b>	IP65
<b>Detection limit:</b>	< 1ppm O <sub>2</sub>
<b>Power supply:</b>	Through electronic unit
<b>Dimensions:</b>	On request