



COMTEC[®] 6000 - Electronic Unit

Housing:	Sheet steel ST37 powder coated RAL6029 (GFK 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 range:	2 x 0-2 % O ₂ to 0-25 % O ₂
Accuracy:	± 0,2 % of measured value
Response time:	Change of 100mV at sensor input < 200ms
COe measuring range:	0 to (500 ... 2000) ppm COe
ACAL (Automatic calibration):	1 or 2 point automatic calibration
Mains Voltage:	230V ±10 % 50 to 60 Hz 115V ±10 % 50 to 60 Hz
Power consumption:	425 VA (heating phase) 225 VA (typical measuring mode)
Recommended fuse:	10A
Output signal O₂:	Active, 0/4 to 20 mA max. load 500 Ω
Output signal COe:	Active, 4 to 20 mA max. load 500 Ω
Relay contact:	24 V AC/DC, 1 A
Relay contact solenoid valve:	230 V AC, 1 A
Dimensions:	300 x 440 x 240 mm (B x H x T)
Weight:	ca. 20 kg
Temperature range - storage: *	-40 °C to +80 °C
Temperature range - operation: *	-20 °C to +55 °C

* Other temperature ranges on request



COMTEC® 6000 - Probes

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