
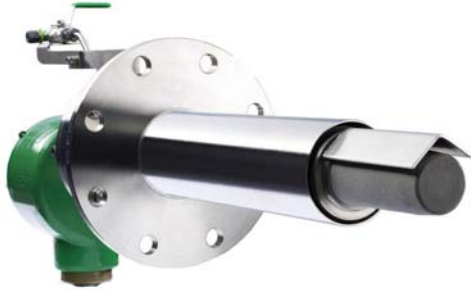





COMTEC[®] Gas - Electronic Unit

Housing:	die-cast aluminium with inspection window, RAL6029
Ignition protection type:	 II 2G Ex d IIC T6 Gb
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 O₂:	better 0,2% of measured value
Accuracy CO_e:	better 5% of range end
Response time:	change of 100mV at sensor input < 200ms
CO_e measuring range:	0 to (500 ... 2000) ppm CO _e
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:	400 VA (heating phase) 200 VA (typical measuring mode)
Recommended fuse:	10A
Output signal O₂:	active, 0/4 to 20 mA max. load 500 Ω
Output signal CO_e:	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:	700 x 356 x 200 mm (B x H x T)
Weight:	ca. 33 kg
Temperature range - storage*:	-40 °C to +80 °C
Temperature range - operation*:	-20 °C to +55 °C

* Other temperature ranges on request



COMTEC[®] Gas  - Probe

Process gas temperature:	up to 500 °C (932°F) up to 1400 °C (2552°F) with cooling tube
Immersion depth:	KEX 6001: 430 mm KEX 6002: 890 mm
Immersion depth with cooling tube:	500mm / 1000mm others on request
Measuring principle:	Zirconium oxide for O ₂ MXP for COe
Process gas pressure:	-50 to +50mbar (-0.725 to +0.725 psi)
Flow velocity:	0 to 50 m/s
Ambient temperature:	-20 °C to +70 °C (-4 °F to +158 °F)
Reaction time:	0.5s (process flow velocity > 10m/sec.)
T90-time:	30s (process flow velocity > 10m/sec.)
Probe material:	V4A (DIN 1.4571 / SS316Ti)
Ignition protection type:	 II 2G Ex d IIC T3 Gb
IP code:	IP 66
Certificate number:	BVS04.ATEX E 013 X
Detection limit:	< 1ppm O ₂
Power supply:	through electronic unit
Dimensions:	on request