



COMTEC[®] 6000 - Electronic Unit

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|---|---|
| Housing: | sheet steel ST37 powder coated; RAL6029 (GRP-version 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 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 ₂ |
| 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 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: | 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 - Probe

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|---|--|
| Process gas temperature: | up to 500 °C (932 °F) 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-time: | 5.0 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 |