


COMTEC[®]

Dust - O₂/CO_e InSitu Probe

Process gas temperature:	max. 600 °C (1112 °F)
Insertion depth:	KES-60018: 540 mm KES-60028: 960 mm
Measuring principle:	Zirconium oxide for O ₂ MXP (mixed potential) for CO _e
Flue gas pressure:	-50 mbar to +50 mbar -0.725 PSIG to +0.725 PSIG (to atmosphere pressure)
Flue gas flow velocity*:	0-10 m/s
Ambient temperature:	-20 °C to + 70 °C (-4 °F to +158 °F)
Reaction time:	< 1 s (with test gas)
T90-time:	< 5 s (with test gas)
Probe material:	stainless steel (SS316)
Ignition protection type:	 II 2D Ex tb IIIC T133°C/141°C Db
Certificate number:	BVS 05 ATEX E 003 X + supplement
Power supply:	through electronic unit



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Dust - Electronic unit

Housing:	sheet steel powder coated; RAL 6029 (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 ranges, freely configurable from: 0-2 % O ₂ to 0-21 % O ₂	
O₂ accuracy:	< 0.5 % of measured value or 0.02 Vol% O ₂ (higher value valid)	
COe measuring range*:	1 range, min.: 0-1000 ppm / max.: 0-5000 ppm (factory adjustable, other ranges on request)	
COe accuracy:	better 5% of range end	
ACAL (automatic calibration):	1-point with air or 2-point with air and test gas bottle through external connection. Optional: automatic calibration	
Mains voltage:	115 V AC +/- 10 %, 50/60 Hz 230 V AC +/- 10 %, 50/60 Hz	
Power consumption:	225 VA (typical measuring mode) 425 VA (heating phase)	
Recommended fuse:	10 A	
Output signal:	O₂ - active, 0/4 to 20 mA max. load 500 Ω	COe - active, 4 to 20 mA max. load 500 Ω
Relay contact:	24 V AC/DC, 1A	
Relay contact solenoid valve:	230 V AC, 1A max.	
Dimensions:	300 x 440 x 240 mm (W x H x D)	
Weight:	approx. 20 kg	
Temperature range - storage:	-40 °C to + 80 °C	
Temperature range - operation*:	-20 °C to + 55 °C	

*Others on request