TECHNICAL DETAILS – testo 320

Flue gas CO (with H_2-compensation)	
Measuring range	0 to 8000 ppm
Accuracy	±10 ppm or ±10 % of mv (0 to 200 ppm) ±20 ppm or ±5 % of mv (201 to 2000 ppm) ±10 % of mv (2001 to 8000 ppm)
Resolution	1 ppm
Reaction time t_{90}	< 40 s
Flue gas COlow	
Measuring range	0 to 500 ppm
Accuracy	±2 ppm (0 to 39.9 ppm) ±5 % of mv (40 to 500 ppm)
Resolution	0.1 ppm
Reaction time t_{90}	< 40 s
Flue gas Draught	
Measuring range	-9.99 to +40 hPa
Accuracy	±0.02 hPa or ±5 % of mv (-0.50 to +0.60 hPa) ±0.03 hPa (+0.61 to +3.00 hPa) ±1.5 % of mv (+3.01 to +40.00 hPa)

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Flue gas Draught	
Resolution	0.01 hPa with fine draught option 0.001 hPa
Temperature	
Measuring range	-40 to +1200 °C
Accuracy	±0.5 °C (0 to +100.0 °C) ±0.5 % of mv (Remaining Range)
Resolution	0.1 °C (-40 to +999.9 °C) 1 °C (> +1000 °C)
Flue gas degree of effectivity, Eta (calculated)	
Measuring range	0 to 120 %
Resolution	0.1 %
Flue gas loss (calculated)	
Measuring range	0 to 99.9 %
Resolution	0.1 %
Flue gas CO_2 calculation (calculated from O_2)	
Measuring range	Display range 0 to CO_2 max
Accuracy	±0.2 Vol.%

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Flue gas CO_2 calculation (calculated from O_2)	
Resolution	0.1 Vol.%
Pressure measurement	
Measuring range	0 to +300 hPa
Accuracy	±0.5 hPa (0.0 to 50.0 hPa) ±1 % of mv (50.1 to 100.0 hPa) ±1.5 % of mv (Remaining Range)
Resolution	0.1 hPa with fine draught option 0.01 hPa
Flue gas CO (without H_2-compensation)	
Measuring range	0 to 4000 ppm
Accuracy	±20 ppm (0 to 400 ppm) ±5 % of mv (401 to 2000 ppm) ±10 % of mv (2001 to 4000 ppm)
Resolution	1 ppm
Ambient CO	
Measuring range	0 to 500 ppm
Accuracy	±5 ppm (0 to 100 ppm) ±5 % of mv (> 100 ppm)

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Ambient CO	
Resolution	1 ppm

with CO probe 0632 3331

Ambient CO_2	
Measuring range	0 to 1 Vol.% 0 to 10000 ppm
Accuracy	±75 ppm or ±3 % of mv (0 to 5000 ppm) ±150 ppm or ±5 % of mv (5001 to 10000 ppm)

with ambient CO_2 probe 0632 1240

Gas leak measurement for combustible gases (via gas leak detection probe)	
Measuring range	0 to 10000 ppm CH_4 / C_3H_8; Display range
Accuracy	Signal optical display (LED) audible signal via buzzer
Reaction time t_{90}	< 2 s

with gas leak detection probe 0632 3330

General technical data	
Dimensions	240 x 85 x 65 mm
Operating temperature	-5 to +45 °C
Display size	240 x 320 pixels

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General technical data	
Display function	Colour graphic display
Power supply	Battery: 3.7 V / 2,400 mAh; Mains unit: 6 V / 1.2 A
Maximum memory	500 Measurement values
Storage temperature	-20 to +50 °C
Weight	573 g

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