TECHNICAL DETAILS – testo 340

Differential Pressure - Piezoresistive	
Measuring range	-200 to 200 hPa
Accuracy	±0.5 hPa (-49.9 to 49.9 hPa) ±1.5 % of mv (Remaining Range)
Resolution	0.1 hPa
Absolute Pressure	
Measuring range	+600 to +1150 hPa
Accuracy	±10 hPa
Resolution	1 hPa
Flue gas O_2	
Measuring range	0 to 25 Vol.%
Accuracy	±0.2 Vol.%
Resolution	0.01 Vol.%
Reaction time t_{90}	< 20 s

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Flue gas CO (with H_2-compensation)	
Measuring range	0 to 10000 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 10000 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 (Remaining Range) data corresponds to 20°C ambient temperature. Additional temperature coefficient 0.25% of reading/K.
Resolution	0.1 ppm
Reaction time t_{90}	< 40 s
Flue gas NO	
Measuring range	0 to 4000 ppm
Accuracy	±5 ppm (0 to 99 ppm) ±5 % of mv (100 to 1999 ppm) ±10 % of mv (2000 to 4000 ppm)

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Flue gas NO	
Resolution	1 ppm
Reaction time t_{90}	< 30 s
Flue gas Nolow	
Measuring range	0 to 300 ppm
Accuracy	±2 ppm (0 to 39.9 ppm) ±5 % of mv (Remaining Range)
Resolution	0.1 ppm
Reaction time t_{90}	< 30 s
Flue gas NO_2	
Measuring range	0 to 500 ppm
Accuracy	±10 ppm (0 to 199 ppm) ±5 % of mv (Remaining Range)
Resolution	0.1 ppm
Reaction time t_{90}	< 40 s

To avoid absorption, a maximum measurement duration of 2 hours should not be exceeded.

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Flue gas SO_2	
Measuring range	0 to 5000 ppm
Accuracy	±10 ppm (0 to 99 ppm) ±10 % of mv (Remaining Range)
Resolution	1 ppm
Reaction time t_{90}	< 40 s

To avoid absorption, a maximum measurement duration of 2 hours should not be exceeded.

Differential Pressure flue gas Draught - Piezoresistive	
Measuring range	-40 to +40 hPa
Accuracy	±0.03 hPa (-2.99 to +2.99 hPa) ±1.5 % of mv (Remaining Range)
Resolution	0.01 hPa
Temperature	
Measuring range	-40 to +1200 °C
Accuracy	±0.5 °C (0 to +99 °C) ±0.5 % of mv (Remaining Range)
Resolution	0.1 °C

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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 dewpoint (calculated)	
Measuring range	0 to 99.9 °Ctd
Resolution	0.1 °Ctd
Flue gas CO_2 calculation (calculated from O_2)	
Measuring range	0 to CO_2 max
Accuracy	±0.2 Vol.%
Resolution	0.1 Vol.%
Reaction time t_{90}	< 40 s

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General technical data	
Weight	960 g
Dimensions	283 x 103 x 65 mm
Operating temperature	-5 to +50 °C
Product-/housing material	TPE PC
Protection class	IP40
Product colour	Black
Connectable probes	1 x flue gas probe; 1 x temperature probe; 1 x differential pressure
Battery life	> 6h (Pumpe an, Displaybeleuchtung aus, bei 20°C)
Display type	graphic Display
Display size	160 x 240 pixels
Display function	Graphic display
Power supply	Battery block 3.7 V / 2.4 Ah, Mains unit 6.3 V / 2 A
Max. neg. press./flue gas	-200 mbar
Max. pos. press./flue gas	50 mbar

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General technical data	
User defined fuels	10 user-defined fuels incl. test gas as fuel
Hose length	max. 7.8 m (corresponds to two probe hose extensions)
Pump flow	0.6 l/min (regulated)
Maximum memory	100 folders
Storage per folder	Max. 10 sites
Storage per site	Max. 200 logs
Miscellaneous	The max. number of logs is determined by the number of folders or sites
Interface	Bluetooth®; USB; IR/IRDA interface; gas outlet; Mains connection; probe input/ probe inputs; Differential Pressure
Storage temperature	-20 to +50 °C

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