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Technical data

Measurement	Measurement range	Accuracy
O_2	0 to 25 Vol.%	±0.2 Vol.%
CO (H_2 compensated)	0 to 10,000 ppm	±10 ppm or ±10% of mv (0 to 200 ppm) ±20 ppm or ±5% of mv (201 to 2,000 ppm) ±10% of mv (2,001 to 10,000 ppm)
CO_{low} (H_2 compensated)	0 to 500 ppm	±3 ppm (0 to 39.9 ppm) ±5% of mv (remaining range)
NO	0 to 3,000 ppm	±5 ppm (0 to 99 ppm) ±5% of mv (100 to 1,999 ppm) ±10% of mv (2,000 to 3,000 ppm)
NO_{low}	0 to 300 ppm	±3 ppm (0 to 39.9 ppm) ±5% of mv (remaining range)
NO_2*	0 to 500 ppm	±10 ppm (0 to 199 ppm) ±5% of mv (remaining range)
SO_2*	0 to 5,000 ppm	±10 ppm (0 to 99 ppm) ±10% of mv (remaining range)
Temperature Probe Type K (NiCr-Ni)	-40° to 2,192 °F	±0.9 °F (32 to 210.2 °F) ±0.5 % of mv (remaining range)
Draft	-16" to 16" H_2O	0.0004 psi (-0.043 to 0.043 hPa) ±1.5 % of mv (remaining range)
Differential pressure	-80" to 80" H_2O	0.007 psi (-0.724 to 0.724 psi) ±1.5 % of mv (remaining range)
Absolute pressure	-240" to 461.5" H_2O	±3.87" H_2O
Calculated parameters: Efficiency Flue gas loss Flue gas dewpoint	 0 to 120% 0 to 99.9% 0° to 211 °F	
CO_2 measurement (calculation from O_2)	0 to CO_2 max.	±0.2 Vol. %

Data Logging Note: *To avoid drift, a maximum measurement duration of 2 hours should not be exceeded.

General technical data

Memory	Maximum: 100 folders, Per folder: Max. 10 sites, Per site: Max. 200 logs, The max. number of logs is determined by the numberof folders or sites
Sample pump	Pump flow: 1.0 l/min Hose length: max. 25 feet (2 hose extensions and 1 probe hose) Max. pos. pressure/flue gas: 20" H_2O Max. neg. pressure/flue gas: -80" H_2O
Weight	2.12 lbs
Dimensions	11.14 x 4.05 x 2.56"
Storage temp.	-4° to 122 °F
Oper. temp.	23° to 122 °F
Power supply	Battery 3.7 V/2.4 Ah, AC Power Supply 6.3 V/2 A
Protection class	IP40
Warranty	Analyzer: 2 years (excluding working parts, e.g. sensors, sensor replacement filter) Rech. batt.: 1 year Sensors: CO, NO, CO_{low}, NO_{low}, NO_2, SO_2: 1 year, O_2: 1.5 years

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General technical data (continued)

Measuring range extension		
Single dilution, factor 5 (standard)		
CO (H_2 compensated)	Meas. range Accuracy	700 ppm to 50,000 ppm ±10 % of mv (additional error)
CO_{low} (H_2 compensated)	Meas. range Accuracy Resolution	300 ppm to 2,500 ppm ±10 % of mv (additional error) 0.1 ppm
NO	Meas. range Accuracy	500 ppm to 15,000 ppm ±10 % of mv (additional error)
NO_2	Meas. range Accuracy	150 ppm to 1,500 ppm ±10 % of mv (additional error)
NO_{low}	Meas. range Accuracy Resolution	150 ppm to 1,500 ppm ±10 % of mv (additional error) 0.1 ppm
SO_2	Meas. range Accuracy	500 ppm to 25,000 ppm ±10 % of mv (additional error)
Dilution of all sensors, factor 2 (Option - Part no. 0440 3350)		
O_2 (With dilution over all sensors)	Meas. range Accuracy Resolution	0 to 25 vol.% ±1 vol.% additional error (0 to 4.99 vol.%), ±0.5 vol.% additional error (5 to 25 vol.%) 0.01 vol.%
CO (H_2 compensated)	Meas. range Accuracy	700 ppm to 20,000 ppm ±10 % of mv (additional error)
CO_{low} (H_2 compensated)	Meas. range Accuracy	300 ppm to 1,000 ppm ±10 % of mv (additional error)
NO	Meas. range Accuracy	500 ppm to 6,000 ppm ±10 % of mv (additional error)
NO_{low}	Meas. range Accuracy	150 ppm to 600 ppm ±10 % of mv (additional error)
NO_2	Meas. range Accuracy	200 ppm to 1,000 ppm ±10 % of mv (additional error)
SO_2	Meas. range Accuracy	500 ppm to 10,000 ppm ±10 % of mv (additional error)

mv = measured value