PORTABLE EMISSIONS MONITORING SYSTEM MODEL HANDHELD MONITOR



A class of its own - Handheld Combustion / Emission Analyzer

O2 CO2 CO NOX NO NO2 SO2 CxHy

ΔP ΔT Flow BTU Gas Leak





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INDUSMATION LLC

SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE

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PORTABLE HANDHELD EMISSIONS MONITORING SYSTEM

TECHNICAL DETAILS

Measurement component	ment component Measuring range		Resolution	Accuracy				
O2 Oxygen (Long Life)	021%		0.1 %	± 0.2 Vol-% abs.				
CO Carbon monoxide (H2 Compensated)	0 10,000 / 20,00)0 ppm *	1 ppm	\pm 10 ppm or 5 % reading < 4,000 ppm / 10 % reading > 4,000 ppm				
CO Carbon monoxide (low	v) 0500 🖛		0.1 ppm	± 2.0 ppm or 5 % reading				
CO Carbon monoxide (hig	n) 040,000/100,0)00 ppm *	1 ppm	± 0.02% or 5 % reading < 0.4% / 10 % reading > 0.4%				
NO Nitric oxide	0 1,000 / 5,000	ppm *	1 ppm	± 5 ppm or 5 % reading < 1,000 ppm / 10 % reading > 1,000 ppm				
NO Nitric oxide (low)	0 300 **		0.1 ppm	± 2.0 ppm or 5 % reading				
NO2 Nitric dioxide	0 200 / 1,000 p	pm *	1 ppm	± 5 ppm or 5 % reading up to 200 ppm or 10 % reading up to 1.000 ppm**				
NO2 Nitric dioxide (low)	0 300 **		0.1 ppm					
SO2 Sulfur dioxide	0 2,000 / 5,000	ppm *	1 ppm	± 10 ppm or 5 % reading up to 2.000 ppm or 10 % reading up to 5.000 ppm**				
SO2 Sulfur diaxide (low)	0 300 **		0.1 ppm					
1-gas NDIR bench Measuring range		•	Resolution	Ассигасу				
CO ₂ Carbon dioxide	0 40 Vol %	0 40 Vol %		± 0.3 % or 5 % of the measured value***				
2-gas NDIR bench	Measuring rang	•	Resolution	Accuracy				
CO ₂ Carbon dioxide	0 40 Vol %		0.1%	± 0.5 % or 5 % of the measured value***				
CxHy Hydrocarbons	100 40,000 pp	100 40,000 ppm		± 400 ppm or 5% reading***				
Other measured components	Measuring	Range		Resolution	Accuracy			
Stack / Flue gas temperature 32 1,472		²F (0 800°C) with sta	C) with stainless steel 1 °F ± 4°F		± 4°F < 392°F / 1 % read	± 4°F < 392°F / 1 % reading > 392°F		
		(0 1100°C) with Inconel			± 4°F < 392°F / 1 % reading > 392°F			
		(0 100 °C)		1°F	± 2°F			
		°F (0 1100℃)		1°F ± 4°F < 392°F / 1 % reading > 39		-		
Stack draft			1 Pa		± 0.02 inH2O or 1% reading			
Differential pressure	•			1 Pa	± 0.02 inH2O or 1% readin	g		
Gas flow velocity measuremen	t 3100 m/s	(using Pitot tube)		0.1 m/s				
Calculated values Rang	e	Calculated values	Range		Calculated values	Range		
Carbon dioxide 0C)2 max.	Efficiency	0120%		Excess Air	099.9		
Heat losses qA 099	9%	Air Ratio (Lambda)	1 9.99		CO/CO2 ratio	010		
GENERAL SPECIFICATIONS								
Max suction range gas pump /	150 hPa / 50 Vh							
Internal memory	32,000 data sets							
Data transmission / Interfaces	USB, Bluetooth, WLA	8, Bluetooth, WLAN / USB, Bluetooth, WLAN, IRDA, SD CARD						
Display	4" color display							
Operation temperature / Stora	+5°C +45 °C / 41 °F 113 °F / -20°C +50°C / -4°F 122°F							
Ambient conditions	95% Rel. Humidity, non-condensing							
Internal Battery Pack / Grid por	Li-lon, 20h operation time / 100 - 240 V / 5V DC / 1200 mA							
Protection class	IP30							
Dimensions / Weight				4.3"x 8.8"x 2.04"(244x113x54 mm) / 1.65 lbs (750g)				
TÜV approval TBD								

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