

Certificate of Calibration

Certificate Number: EDCQP200-4.11.5

Environmental Devices Corporation certifies the Haz-Scanner model EPAS is calibrated to published specifications and NIST traceable.

Calibration Dust Specifications are NIST traceable using Coulter Mutisizer II e. ISO12103 -1 A2 Fine Test Dust and is designed to agree with EPA Class I and Class III FRM and FEM particulate samplers and monitors and EN 12341 and EN 14907 standards.

Gas sensors are Calibrated against NIST/EPA traceable Calibration Gas using NIST primary Flow Standard: LFE774300 to ISO 17025 and EPA Instrumental Test Methods as defined by 40 CFR Part 60.

Quality system standard to meet the requirements of ANSI/ASQC standard Q9000-1994 (ISO 9001), MIL-STD 45662A, and customer's specification if required.

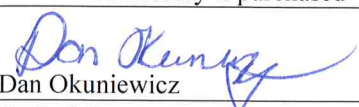
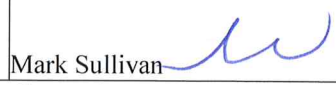
Temperature = 22°C

Relative Humidity = 30%

Atmospheric Pressure = 760 mmHg

Measurement Uncertainty Estimated @ 95% Confidence Level (k=2) using ISO 17025 guidelines.

Model	Serial Number	Calibration Date	Next Calibration Due
EPAS	915085	February 23, 2018	February 2019

Calibration Span Accessory if purchased	Sensor A K=	Sensor B K=	Model :
 Dan Okuniewicz Technician	 Mark Sullivan Supervisor		

Environmental Devices Corporation
4 Wilder Drive Building #15
Plaistow, NH 03865
ISO-9001 Certified

ENVIRONMENTAL DEVICES CORPORATION

Calibration Report

Date: February 2018

Customer Name:

System ID: Serial Number 915085

Notes:

BASIC CHECK

Power Voltage	PASS
CPU Diagnostic Test	PASS
Air Flow Rate	PASS
Digital Communication	PASS
Sensor Output Voltages	PASS
Signal Channel Voltages	PASS
Memory Card Voltages	PASS

SENSOR	Low Span	Observed Low Test Result	High Span	Observed High Test Result	Calibration Accuracy
<i>PM A</i> (10 μ m)	0 μ g/m ³	0 μ g/m ³	5000 μ g/m ³	5000 μ g/m ³	+/- 10ug/m3
<i>PM B</i> (2.5 μ m)	0 μ g/m ³	0 μ g/m ³	5000 μ g/m ³	5000 μ g/m ³	+/- 10 ug/m3
<i>CO</i>	0 ppm	0 ppm	2.5 ppm	2.5 ppm	+/- 0.01 ppm
<i>CO₂</i>	300ppm	300 ppm	1000 ppm	1000 ppm	+/- 50 ppm
<i>NO₂</i>	0 ppb	0 ppb	374 ppb	374 ppb	+/- 5 ppb
<i>SO₂</i>	0 ppb	0 ppb	352 ppb	352 ppb	+/- 5 ppb
<i>VOC</i>	0 ppb	0 ppb	500 ppb	500 ppb	+/- 5ppb
<i>O₃</i>	0 ppb	0 ppb	58 ppb	58 ppb	+/- .1 ppb
<i>Temp</i>	0°C	0°C	50°C	50°C	+/- 2°C
<i>RH</i>	13%	13%	75%	75%	+/- 3%

Wind Speed and Direction not returned therefore not calibrated

Calibration Technician

Dan Okuniewicz

Supervisor

Mark Sullivan

