

ISO 9001 Certified

FLIR Systems, Inc. • 9 Townsend West • Nashua, NH 03063

Certificate of Calibration

Certificate Number

20171811 - 88182

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Issued To:

FLIR COMMERCIAL SYSTEMS

9 TOWNSEND WEST Nashua, NH 03063 Date Received: 6/22/2017

Date Issued:

6/26/2017

Valid Until:

Test Conditions:

Jun 2018

Equipment:

Manufacturer:

EXTECH

Temperature:

26 C

Model Number: VPC300

170526276

Humidity:

49.9 %

SerialNumber:

Control #:

Barometric Pressure:

983.1 mBar

As Found:

FULLY FUNCTIONAL AND IN TOLERANCE.

As Returned:

FULLY FUNCTIONAL AND WITHIN TOLERANCE.

Special Conditions:

NONE

Work Performed:

CALIBRATED PER CALIBRATION PROCEDURE DM-001.

CALIBRATED TO: MANUFACTURERS SPECIFICATIONS

Device, Description, Report Number, Date Due Reference Standards:

1012, PTU200, Vaisala PTU200 environ standard w/HMP45D probe, 25223-2, 6/30/2017

1013, SKC 311-500, 500 ML LAB BURRETTE, caltec96675, 3/13/2023

1024, HP 3456A, PRECISION DIGITAL VOLTMETER, 1013870, 5/31/2018

1040, iso 12103-1, ISO 12103-1A1 ULTRAFINE TEST DUST < 20um DIA., 1018bu#01, 6/24/2018

9011, 8220, 6 CHANNEL 660nm 50mW OPTICAL PARTICULATE COUNTER, 70729122-23000157800449727, 1/31/2018

1042, PHOTOMETER, REAL TIME 90DEGREE LIGHT SCATTERING PHOTOMETER, 90893646-171712, 5/22/2018

Reviewed by:

Bush

6/26/2017

Authorized Signature: Brian Stanhope

This report certifies that all calibration equipment used in the test is traceable to the National Institue of Standards (NIST), and applies only to the unit identified under "Equipment" above. This report must not be reproduced except in it's entirety without express written approval.

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Certificate #

20171811-88182

Model: VPC 300

Date: 6/26/2017

Serial # 170526276

Test Results As Returned

Count Effici	iency	Range		Observed	
0.3uM		50 +/- 20 %	-	55%	PASS
0.5uM		100+/- 10%		99%	PASS
Zero Count (H	IEPA filter	measurement with	less than 1	particle per	5 minutes)
0.0	m3				PASS

Tolerance Limits

Count efficiency baseline is determined at 0.3uM +/-20% and must be 100% at 0.5um +/- 10%

Count Efficiency Summary		Range		Observed	Result
0.3	uM	30 - 70	%	55%	PASS
0.5	uM	90-110	%	99%	PASS
1.0	uM	90-110	%	107%	PASS
2.5	uM	90-110	%	96%	PASS
5.0	uM	90-110	%	105%	PASS
10.0	uM	90-110	%	99%	PASS

Nominal		Flow Rate/Environmental Observed		delta		Result
2830.0	CC	2738.0	CC	-92.0	-3.25%	PASS
47.6	%RH	47.1	%RH	-0.5		PASS
74.64	DEG F	75.1	DEG F	0.5		PASS
		Tolerance	Limits flow, +/- 3.0% RH	1 +/ 0.0 dog E T	ome	

This report is valid only as an attachment to the Calibration Certificate number indicated above.

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