

Customer: ILLIANA INSTRUMENT
1831 Govert Drive
Schererville, IN 46375

PO Number: 3860



Certificate/SO Number: 1-B7T4O-20-1 Revision 0

Manufacturer: Fluke Corporation
Model Number: 700PD7
Description: Pressure Module, Dual
Serial Number: 80254706
ID: 1229

As-Found: In Tolerance
As-Left: In Tolerance

Calibration Date: May 30, 2018
Due Date: May 30, 2020

Calibrated To: Manufacturer Specification
Calibration Procedure: 1-AC07511-11

Transcat Calibration Laboratories have been audited and found in compliance with ISO/IEC 17025:2005. Accredited calibrations performed within the Lab's Scope of Accreditation are indicated by the presence of the Accrediting Body's Logo and Certificate Number. Any measurements on an accredited calibration not covered by that Lab's Scope of Accreditation are listed in the notes section of the certificate. SCC, NRC, CLAS or ANAB do not guarantee the accuracy of an individual calibration by accredited laboratories.

Transcat calibrations, as applicable, are performed in compliance with the requirements of the Transcat Quality Manual QAC-P01-000 Revision 1.0, the customer's Purchase Order and/or Quality Agreement requirements, ISO 9001:2008, ANSI/NCSL Z540.1-1994 (R2002). Complete records of work performed are maintained by Transcat and are available for inspection. Laboratory standards used in the performance of this calibration are listed below.

Transcat documents the traceability of measurements to the SI units through the National Institute of Standards and Technology (NIST), or the National Research Council of Canada (NRC), or other national measurement institutes (NMI) that are signatories to the CIPM Mutual Recognition Arrangement, or accepted fundamental and/or natural physical constants, or by the use of specified methods, consensus standards or ratio type measurements. Documentation supporting traceability information is available for review upon written request at a Transcat facility. The measured quantity and the measurement uncertainty are required for further dissemination of traceability.

Uncertainties are reported with a coverage factor $k=2$, providing a level of confidence of approximately 95%. All calibrations have been performed using processes having a TUR of 4:1 or better (3:1 for mass calibrations), unless otherwise noted. The Test Uncertainty Ratio (TUR) is calculated in accordance with NCSL International RP-18. For mass calibrations: Conventional mass referenced to 8.0 g/cm³.

The results in this report relate only to the item calibrated or tested. Recorded calibration data is valid at the time of calibration within the stated uncertainties at the environmental conditions noted. The determination of compliance to the specification is specific to the model/serial no./ID no. referenced above based on the tolerances shown; these tolerances are either the original equipment manufacturers (OEM's) warranted specifications or the client's requested specifications. This certificate may not be reproduced except in full, without the written approval of Transcat. Additional information, if applicable may be included on separate report(s).

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CERTIFICATE OF CALIBRATION

As Found Data

Description	Setpoints	Accuracy	Low Limit	High Limit	As Found	O Cal Process T Uncertainty (k=2; ±)	O Measurement Uncertainty (k=2; ±)	Units	TUR
Pressure Measure	40.00psi	±(0.07% Span)	39.85	40.15	40.02 psi	3.0e-002	3.5e-002	psi	5.0 : 1
Linearity Pressure	80.00psi	±(0.07% Span)	79.85	80.15	80.01 psi	3.0e-002	3.5e-002	psi	5.0 : 1
	120.00psi	±(0.07% Span)	119.85	120.15	120.03 psi	3.0e-002	3.5e-002	psi	5.0 : 1
	160.00psi	±(0.07% Span)	159.85	160.15	160.05 psi	3.0e-002	3.5e-002	psi	5.0 : 1
	200.00psi	±(0.07% Span)	199.85	200.15	200.06 psi	3.0e-002	3.5e-002	psi	5.0 : 1
Hysteresis	120.00psi	±(0.07% Span)	119.85	120.15	120.02 psi	3.0e-002	3.5e-002	psi	5.0 : 1
Pressure Measure	-3.00psi	±(0.07% Span)	-3.15	-2.85	-2.99 psi	2.1e-003	1.8e-002	psi	71.4 : 1
Vacuum Linearity	-6.00psi	±(0.07% Span)	-6.15	-5.85	-6.01 psi	2.1e-003	1.8e-002	psi	71.4 : 1
	-9.00psi	±(0.07% Span)	-9.15	-8.85	-9.02 psi	2.1e-003	1.8e-002	psi	71.4 : 1
	-12.00psi	±(0.07% Span)	-12.15	-11.85	-12.02 psi	2.1e-003	1.8e-002	psi	71.4 : 1
	-14.20psi	±(0.07% Span)	-14.35	-14.05	-14.21 psi	2.1e-003	1.8e-002	psi	71.4 : 1
Hysteresis	-6.00psi	±(0.07% Span)	-6.15	-5.85	-6.01 psi	2.1e-003	1.8e-002	psi	71.4 : 1

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As Left Data

Description	Setpoints	Accuracy	Low Limit	High Limit	As Left	O Cal Process Uncertainty (k=2; ±)	T Uncertainty (k=2; ±)	Measurement Uncertainty (k=2; ±)	Units
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Pressure Measure									
Linearity Pressure									
40.00psi	±(0.07% Span)	39.85	40.15	40.02 psi	3.6e-003	1.9e-002	1.9e-002	psi	41.2 : 1
80.00psi	±(0.07% Span)	79.85	80.15	80.01 psi	6.3e-003	1.9e-002	1.9e-002	psi	23.9 : 1
120.00psi	±(0.07% Span)	119.85	120.15	120.03 psi	8.9e-003	2.0e-002	2.0e-002	psi	16.8 : 1
160.00psi	±(0.07% Span)	159.85	160.15	160.05 psi	1.2e-002	2.1e-002	2.1e-002	psi	13.0 : 1
200.00psi	±(0.07% Span)	199.85	200.15	200.06 psi	1.4e-002	2.3e-002	2.3e-002	psi	10.6 : 1
120.00psi	±(0.07% Span)	119.85	120.15	120.02 psi	8.9e-003	2.0e-002	2.0e-002	psi	16.8 : 1
Pressure Measure									
Vacuum Linearity									
-3.00psi	±(0.07% Span)	-3.15	-2.85	-2.99 psi	2.1e-003	1.8e-002	1.8e-002	psi	71.4 : 1
-6.00psi	±(0.07% Span)	-6.15	-5.85	-6.01 psi	2.1e-003	1.8e-002	1.8e-002	psi	71.4 : 1
-9.00psi	±(0.07% Span)	-9.15	-8.85	-9.02 psi	2.1e-003	1.8e-002	1.8e-002	psi	71.4 : 1
-12.00psi	±(0.07% Span)	-12.15	-11.85	-12.02 psi	2.1e-003	1.8e-002	1.8e-002	psi	71.4 : 1
-14.20psi	±(0.07% Span)	-14.35	-14.05	-14.21 psi	2.1e-003	1.8e-002	1.8e-002	psi	71.4 : 1
Hysteresis									
-6.00psi	±(0.07% Span)	-6.15	-5.85	-6.01 psi	2.1e-003	1.8e-002	1.8e-002	psi	71.4 : 1

Traceable Standards

Asset	Manufacturer	Model Number	Description	Cal Date	Due Date	Traceability Number	Use
3163	Fuke	RP4 A7Ms/A2Mp	Digital Pressure Gauge	19-Oct-17	31-Oct-18	5-83163-16-2	AF/AL

The use of the standard is defined as: AF - used for as-found readings, AL - used for as-left readings.

Environmental Data

Temperature	Relative Humidity	Temp / RH Asset
71.35°F / 21.86°C	50.90%	3234A

Date Received: May 25, 2018
Service Level: R9



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Calibrated At:
35 Vantage Point Dr
Rochester, NY 14624
Facility Responsible:
35 Vantage Point Dr
Rochester, NY 14624
800-828-1470

Unit Barcode:  015A0007288

Date Received: May 25, 2018
Service Level: R9

Certificate - Page 4 of 4

Customer Number: 1-520763-000
OPS-F20-014R1 01/23/2017 FP001R1 10/12/2017

Calibrated By:  Trevor Jonas	Reviewed By:  Kevin O'Grady for
Electronically Signed By: Trevor Jonas	Electronically Signed By: Kevin O'Grady for
May 30, 2018	May 30, 2018
Trevor Jonas	Frederick Tank
13:03:13 -04:00	16:47:50 -04:00
Calibration Technician	Lab Manager