

Customer: ILLIANA INSTRUMENT
1831 Govert Drive
Schererville, IN 46375

PO Number: 4305

**Certificate/SO Number: 15-D9H7A-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

Issue Date: Jun 10, 2022
Calibration Date: Jun 09, 2022
Due Date: Jun 09, 2024

Calibrated To: Manufacturer Specs
Calibration Procedure: 111-91.1-2327

Transcat Calibration Laboratories have been audited and found in compliance with ISO/IEC 17025:2017. Accredited calibrations performed within the Lab Scope of Accreditation are indicated by the presence of the Accrediting Body Logo and Certificate Number. Any measurements on an accredited calibration not covered by the Lab 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, the customer Purchase Order and/or Quality Agreement requirements, ISO 9001:2015, ANSI/NCSL Z540.1-1994 (R2002), and ISO 10012:2003, as applicable. When specified contractually, the requirements of ISO TS16949:2009, 10CFR21, 10CFR50 App. B, ASME NQA-1:2012, and ANSI/NCSL Z540.3-2006 (R2013) are also covered.

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 on this certificate.

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. Any number of factors can cause a unit to drift out of tolerance at any time following its calibration. Limitations on the uses of this instrument are detailed in the OEM's operating instructions. 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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As Found/As Left Data

Description	Setpoints	Accuracy	Low Limit	High Limit	As Found / As Left	Cal Process Uncertainty (k=2; ±)	Measurement Uncertainty (k=2; ±)	Units	TUR
Pressure, Input									
(0 to 200) psig	0.000 psig	±(0.151 psig)	-0.15	0.15	0.00 psig	2.1e-3	2.2e-3	psig	68.4 : 1
	40.000 psig	±(0.151 psig)	39.85	40.15	40.01 psig	2.7e-3	3.0e-3	psig	50.2 : 1
	80.000 psig	±(0.151 psig)	79.85	80.15	80.02 psig	5.4e-3	6.0e-3	psig	25.1 : 1
	120.000 psig	±(0.151 psig)	119.85	120.15	120.02 psig	8.0e-3	9.0e-3	psig	16.7 : 1
	160.000 psig	±(0.151 psig)	159.85	160.15	160.02 psig	1.1e-2	1.2e-2	psig	12.5 : 1
	200.000 psig	±(0.151 psig)	199.85	200.15	200.05 psig	1.3e-2	1.5e-2	psig	10.0 : 1
(0 to -15) psig	120.000 psig	±(0.151 psig)	119.85	120.15	120.04 psig	8.0e-3	9.0e-3	psig	16.7 : 1
	0.0000 psig	±(0.151 psig)	-0.15	0.15	0.00 psig	2.1e-3	2.2e-3	psig	68.4 : 1
	-13.500 psig	±(0.151 psig)	-13.65	-13.35	-13.49 psig	2.1e-3	2.2e-3	psig	68.4 : 1

Field not applicable.

Traceable Standards

Asset	Manufacturer	Model Number	Description	Cal Date	Due Date	Traceability Number	Use
M1552	Fluke	RPM4 A7Ms/A2Mp	Digital Pressure Gauge	21-Dec-21	30-Jun-22	5-&M1552-33-1	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	Lab Area	Lab Description
72.68°F /22.60°C	37.50%	M1318	A	Electronics 01

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Legend

Topic	Description
Accuracy	UUT specification that establishes expected tolerances and a time limit (calibration interval) over which the instrument is expected to hold these tolerances
As Found	Initial measurement results
As Left	Measurement results after adjustment and/or repair
Blank Data Field	Test is not applicable for the UUT
Cal Process Uncertainty (CPU)	The uncertainty of calibration process for the reported measurement result
Calibration Date	Indicates the date that the calibration was completed
Cover Factor (k)	A measure of uncertainty that defines an interval about the measurement result
Due Date	Indicates the end of the calibration cycle as requested by the customer
Issue Date	Indicates the date that the calibration has passed the Data Review Process and was signed by an authorized signatory or the date that a revision to the original certificate has been issued
Low / High Limits	Establishes UUT acceptable performance limits for the test measurement
Measurement Uncertainty	The dispersion of the values attributed to a measured quantity
OOA	Out of Acceptance (#)
OOT	Out of Tolerance (*)
Setpoints	Measurement target values
Traceability	Unbroken chain of comparisons relating an instrument's measurements to a known standard(s)
Traceability Number	Unique identifier(s) used to document traceability of calibration standards
TUR	Test Uncertainty Ratio, ratio of the tolerance or specification of the test measurement in relation to the uncertainty in measurement results
UUT	Unit Under test

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Calibrated At:
2056 S. Alex Road
West Carrollton, OH 45449


Facility Responsible:
2056 S. Alex Road
West Carrollton, OH 45449
800-828-1470

Calibrated By:
 **Electronically Signed By:**
David Oelerich

Reviewed By:
 **Electronically Signed By:**
Shane Smith for

David Oelerich Jun 09, 2022
Calibration Technician 16:29:49 -04:00

Derek Atkinson Jun 10, 2022
Lab Manager 07:19:43 -04:00

Unit Barcode: 
015A0007288

Date Received: June 09, 2022
Service Level: R9