

**Customer:** ILLIANA INSTRUMENT  
1831 Govert Drive  
Scherverville, IN 46375

**PO Number:** 4315



**Certificate/SO Number:** 5-D9J3W-20-1 Revision 0

**Manufacturer:** Fluke Corporation  
**Model Number:** 700P04  
**Description:** Pressure Module, Differential, Non-Isolated  
**Serial Number:** 95050406  
**ID:** 1693

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

**Issue Date:** Jun 17, 2022  
**Calibration Date:** Jun 17, 2022  
**Due Date:** Jun 17, 2024

**Calibrated To:** Manufacturer Specs  
**Calibration Procedure:** 97-75.1-2332

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/NCCL 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/NCCL 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/cm<sup>3</sup>.

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	O O T	Cal Process Uncertainty (k=2; ±)	Measurement Uncertainty (k=2; ±)	Units	TUR
<b>Pressure, Input</b>										
(0 to 15) psig	0.00000 psig	±( 0.0075 psig)	-0.008	0.008	0.000 psig		2.1e-3	3.8e-4	psig	19.7 : 1
	2.9996 psig	±( 0.0075 psig)	2.992	3.007	3.000 psig		2.1e-3	4.2e-4	psig	17.6 : 1
	6.0003 psig	±( 0.0075 psig)	5.993	6.008	6.002 psig		2.1e-3	4.7e-4	psig	16.0 : 1
	9.0001 psig	±( 0.0075 psig)	8.993	9.008	9.002 psig		8.1e-4	5.9e-4	psig	12.8 : 1
	11.9997 psig	±( 0.0075 psig)	11.992	12.007	12.003 psig		1.1e-3	7.8e-4	psig	9.6 : 1
	15.0001 psig	±( 0.0075 psig)	14.993	15.008	15.004 psig		1.4e-3	9.7e-4	psig	7.7 : 1
	8.9996 psig	±( 0.0075 psig)	8.992	9.007	9.002 psig		8.1e-4	5.9e-4	psig	12.8 : 1

Field not applicable.

**Traceable Standards**

Asset	Manufacturer	Model Number	Description	Cal Date	Due Date	Traceability Number	Use
05H1221	Fluke Corporation	7252i	Pressure Calibrator	2-Jun-21	30-Jun-22	5-&05H1221-5-1	AF/AL
05H1367	Fluke Corporation	7526A	Precision Calibrator	26-Apr-22	28-Feb-23	5-&05H1367-1-1	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
71.00°F /21.67°C	52.00%	05H1297	B	GP Pressure

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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:**  
16115 Park Row  
Houston, TX 77084

**Facility Responsible:**  
16115 Park Row  
Houston, TX 77084  
800-828-1470

**Calibrated By:**

 **Electronically Signed By:**  
Camden Alford

**Reviewed By:**

 **Electronically Signed By:**  
Josh Soileau for

**Unit Barcode:**   
0900B459076

Camden Alford Jun 17, 2022  
Calibration Technician 12:09:37 -04:00

Scott D. Caine Jun 17, 2022  
Lab Manager 12:57:24 -04:00

**Date Received:** June 14, 2022  
**Service Level :** R9