

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

**PO Number:** 3857



**Certificate/SO Number: 1-EL4RD-20-1 Revision 0**

**Manufacturer:** Fluke Corporation  
**Model Number:** 700P24  
**Description:** Pressure Module, Differential  
**Serial Number:** 80002407  
**ID:** 1230

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

**Calibration Date:** Jun 14, 2018  
**Due Date:** Jun 14, 2020

**Calibrated To:** Manufacturer Specification  
**Calibration Procedure:** 1-AC06089-7

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, ANSVNCSL 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/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. 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 Measure</b>										
Linearity High Port	0.000psi	±(0.05% Span)	-0.008	0.008	0.000 psi			6.0e-004		
	1.500psi	±(0.05% Span)	1.492	1.508	1.501 psi		1.4e-004	8.8e-004	psi	57.1 : 1
	3.000psi	±(0.05% Span)	2.992	3.008	3.001 psi		2.8e-004	9.1e-004	psi	28.6 : 1
	4.500psi	±(0.05% Span)	4.492	4.508	4.501 psi		4.1e-004	9.6e-004	psi	19.5 : 1
	6.000psi	±(0.05% Span)	5.992	6.008	6.001 psi		5.5e-004	1.0e-003	psi	14.5 : 1
	7.500psi	±(0.05% Span)	7.492	7.508	7.501 psi		6.8e-004	1.1e-003	psi	11.8 : 1
	9.000psi	±(0.05% Span)	8.992	9.008	9.001 psi		8.2e-004	1.2e-003	psi	9.8 : 1
	10.500psi	±(0.05% Span)	10.492	10.508	10.501 psi		9.5e-004	1.3e-003	psi	8.4 : 1
	12.000psi	±(0.05% Span)	11.992	12.008	12.001 psi		1.1e-003	1.4e-003	psi	7.3 : 1
	13.500psi	±(0.05% Span)	13.492	13.508	13.502 psi		1.2e-003	1.5e-003	psi	6.7 : 1
Hysteresis	15.000psi	±(0.05% Span)	14.992	15.008	15.002 psi		1.4e-003	1.6e-003	psi	5.7 : 1
	9.000psi	±(0.05% Span)	8.992	9.008	9.002 psi		8.2e-004	1.2e-003	psi	9.8 : 1
	7.500psi	±(0.05% Span)	7.492	7.508	7.501 psi		6.8e-004	1.1e-003	psi	11.8 : 1
Differential Measurement	6.000psi	±(0.05% Span)	5.992	6.008	6.001 psi		5.5e-004	1.0e-003	psi	14.5 : 1
	0.000psi	±(0.05% Span)	-0.008	0.008	0.000 psi			6.0e-004		

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**Traceable Standards**

Asset	Manufacturer	Model Number	Description	Cal Date	Due Date	Traceability Number	Use
101257	Fluke Corporation	7252i	Pressure Calibrator	1-Jun-18	30-Jun-19	150023946	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
72.18°F /22.32°C	45.90%	3132A


**Calibrated At:**

35 Vantage Point Dr  
Rochester, NY 14624

**Facility Responsible:**

35 Vantage Point Dr  
Rochester, NY 14624  
800-828-1470


**Calibrated By:**

 **Electronically Signed By:**  
Bill Pritchard

Bill Pritchard  
Calibration Technician

Jun 14, 2018  
10:39:20 -04:00

**Reviewed By:**

 **Electronically Signed By:**  
Kevin O'Grady for

Frederick Tank  
Lab Manager

Jun 14, 2018  
14:55:44 -04:00

Unit Barcode:   
015A0007286

Date Received: May 30, 2018  
Service Level : R9