simco electronics

806 MIDDLE GROUND BLVD.
NEWPORT NEWS, VA 23606

Certificate No. **6717651**

A2LA ACCREDITED
CALIBRATION CERT. 1395.15

CERTIFICATE OF CALIBRATION
FOR
WASHINGTON STATE PATROL
811 E. ROANOKE
F
SEATTLE, WA 98102

Description: **DRUCK, DPI-740, Pressure Indicator**

Serial No: **74003877** Asset No: **114587** Simco ID: **50548-1**

Dept: **NONE** PO No: **CC/IMPARDR/7629**

Calibration Date: **10/27/2014**	Calibration Interval: **12 Months**	Next Calibration Date: **10/27/2015**
Arrival Condition: **MEETS MANUFACTURER'S SPEC'S.**	Service: **CALIBRATED TO MFR SPEC,& CLEAN**	

Procedure: **MFR MANUAL K200#1**
Temperature: **73°F** Relative Humidity: **36%**

Standards Used:

Type	Simco ID	Due Date	Intvl Mos	Acc/Unc	Trace No.
10 KPA/KG PISTON-CYLINDER	**37232*1025**	**02/16/2018**	**40**	**PRESSURE**	**4042965**
10 KPA/KG PISTON-CYLINDER	**37232*1025**	**02/16/2018**	**40**	**+/-(.2Pa+13ppm)**	**(cont.)**
MASS SET	**37232*1007**	**05/23/2018**	**60**	**MASS/ +/-(5ppm**	**60545**
MASS SET	**37232*1007**	**05/23/2018**	**60**	**or 1mg, >)**	**60545**

Detail Of Work Performed:
The Expanded Measurement Uncertainty listed on the data sheet applies only at the time of calibration and no allowance has been made for handling or time related effects. Expanded uncertainty computed at 95% confidence level, coverage factor k ≈ 2.

There are 1 Supplementary Data Sheet(s) attached.

Work performed by: **William Thrift**
Calibration Technician C/QA (13105)

Reviewed by: 219 SIMCO

SIMCO Electronics' quality management system conforms to ISO 9001:2008, ISO/IEC 17025:2005, and ANSI/NCSL Z540-1-1994. All calibrations are performed using internationally recognized standards traceable to the International System of Units (SI Units). Traceability is achieved through calibrations by the National Institute of Standards and Technology (NIST), other National Measurement Institutes (NMIs'), or by using natural physical constants, intrinsic standards or ratio calibration techniques. Instruments are calibrated with a test uncertainty ratio of 4:1 or greater, otherwise measurement uncertainty analysis and/or guard bands are applied during the measurement process. The information shown on this certificate applies only to the instrument identified above and may not be reproduced, except in full, without prior written consent from SIMCO Electronics. There is no implied warranty that the instrument will maintain its specified tolerances during the calibration interval due to possible drift, environment, or other factors beyond our control. **This is an A2LA Accredited calibration.**

Dated: **10/27/2014**

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CALIBRATION DATA/TEST SHEET

MANUFACTURER:	Druck	MODEL #:	DPI 740	CERT #:	6717651
DESCRIPTION:	Pressure Indicator			PROCEDURE:	User Manual P/N K0200 Issue No.1
COMMENTS:	S/N: 74003877	Asset: 114587			

Out of tolerance conditions are identified by an asterisk "*" in the Nominal column and highlighted Observations. Uncertainties are labeled as not applicable "N/A" unless an accredited calibration has been carried out. Uncertainties that carry the double asterisk (**) at the end of the row are traceable to NIST, but are not covered under this location's approved accredited parameters. Calibrations marked as such on this Certificate have been included for completeness. Expanded Uncertainty has been reported as "Best Case" at the time of measurement. See labs scope of accreditation for more information.

FUNCTION TESTED	NOMINAL VALUE		OBSERVATION		CALIBRATION LIMITS			Expanded Uncertainty (+/-)
			As Found	As Left	Minimum	Maximum	Unit	
Pressure	21.928	inHg	21.927	21.927	21.921	21.935	inHg	0.00079
Pressure	24.307	inHg	24.306	24.306	24.300	24.314	inHg	0.00081
Pressure	28.760	inHg	28.759	28.759	28.753	28.767	inHg	0.00085
Pressure	31.100	inHg	31.099	31.099	31.093	31.107	inHg	0.00087
Pressure	34.070	inHg	34.069	34.069	34.063	34.077	inHg	0.00089
Pressure	31.100	inHg	31.099	31.099	31.093	31.107	inHg	0.00087
Pressure	28.760	inHg	28.759	28.759	28.753	28.767	inHg	0.00085
Pressure	24.307	inHg	24.307	24.307	24.300	24.314	inHg	0.00081
Pressure	21.928	inHg	21.927	21.927	21.921	21.935	inHg	0.00079