

19804 NORDHOFF PLACE  
CHATSORTH, CA 91311



CALIBRATION CERT. 1395.05

**CERTIFICATE OF CALIBRATION  
FOR  
DIGI-PAS. & eGEETOUGH  
200 SPECTRUM CENTER DRIVE SUITE 300  
IRVINE, CA 92618**

Description: **DIGI-PAS, DWL-1500XY, Digital Level, 2 Axis**

Serial No: **13A00472**

Asset No:

SIMCO ID: **56233-1**

Dept: **NONE**

PO No: **DPO18-0012**

Calibration Date: <b>07/25/2018</b>	Calibration Interval: <b>12 Months</b>	Next Calibration Date: <b>07/25/2019</b>
Arrival Condition: <b>MEETS MANUFACTURER'S SPEC'S.</b>	Service: <b>CALIBRATED TO MFR SPEC,&amp; CLEAN</b>	

Procedure: **MFR MANUAL 2017 r. A**  
Temperature: **68°F**

Relative Humidity: **46%**

Standards Used:

Manufacturer, Model	Description	SIMCO ID	Due Date	Certificate
ONSET COMPUTER CORP, MX1101	Temperature/Humidity Data Logger	26879-2743	09/28/2018	7927855
STARRETT, RC88AA	Gage Block Set	26879-2404	12/06/2018	7809342
WEBBER GAGE, Grade 2 (ASME)	Gage Block Set	26879-2401	10/09/2018	7822401
BROWN & SHARPE, 599-925-50	SINE PLATE, 5 in.	26879-2194	04/04/2019	7974868
DO ALL, 10in	Sine Plate	26879-2235	04/17/2020	8242794
COLLINS MICRO, 36 x 48in	Surface Plate	26879-1873	02/18/2020	8242793

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  $k \approx 2$ .

There are 1 Supplementary Data Sheet(s) attached.

Work performed by:  
**Pat J. Amatulli**

Reviewed by:

SIMCO Electronics' quality management system conforms to ISO 9001:2015, 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: **07/25/2018**





CALIBRATION DATA/TEST SHEET

MANUFACTURER:	Digi-Pas	MODEL #:	DWL1500XY	CERT #:	8239161		
DESCRIPTION:	Digital Machinist Level	PROCEDURE:	MFR MANUAL 2017 rev A				
COMMENTS:	S/N 13A00472						
<p>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.</p>							
FUNCTION TESTED	NOMINAL VALUE	OBSERVATION		CALIBRATION LIMITS			Expanded Uncertainty (+/-)
		As Found	As Left	Minimum	Maximum	Unit	
<b>-X- AXIS:</b>							
(+) Slope	0.200 *	0.200	0.200	0.199	0.201	°	0.00061
	0.500 *	0.501	0.501	0.499	0.501	°	0.00061
	1.000 *	1.002	1.002	0.997	1.003	°	0.00061
	1.500 *	1.503	1.503	1.497	1.503	°	0.00061
<b>(-) Slope</b>							
	0.200 *	0.200	0.200	0.199	0.201	°	0.00061
	0.500 *	0.501	0.501	0.499	0.501	°	0.00061
	1.000 *	1.002	1.002	0.997	1.003	°	0.00061
	1.500 *	1.503	1.503	1.497	1.503	°	0.00061
<b>-Y- AXIS:</b>							
(+) Slope	0.200 *	0.200	0.200	0.199	0.201	°	0.00061
	0.500 *	0.501	0.501	0.499	0.501	°	0.00061
	1.000 *	1.003	1.003	0.997	1.003	°	0.00061
	1.500 *	1.503	1.503	1.497	1.503	°	0.00061
<b>(-) Slope</b>							
	0.200 *	0.200	0.200	0.199	0.201	°	0.00061
	0.500 *	0.501	0.501	0.499	0.501	°	0.00061
	1.000 *	1.003	1.003	0.997	1.003	°	0.00061
	1.500 *	1.503	1.503	1.497	1.503	°	0.00061