

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-2000 XY, 2-Axis Precision Digital Level**

Serial No: **12A25421**

Asset No:

SIMCO ID: **56233-2**

Dept: **NONE**

PO No: **DPO18-0023**

Calibration Date: 09/17/2018	Calibration Interval:	Next Calibration Date:
Arrival Condition: MEETS MANUFACTURER'S SPEC'S.	Service: CALIBRATED, NO RECALL	

Procedure: **MFR MANUAL 2012**
Temperature: **68°F**

Relative Humidity: **45%**

Standards Used:

<u>Manufacturer, Model</u>	<u>Description</u>	<u>SIMCO ID</u>	<u>Due Date</u>	<u>Certificate</u>
ONSET COMPUTER CORP, MX1101	Temperature/Humidity Data Logger	26879-2743	09/28/2018	7927855
MITUTOYO, 516-401-26, 516-612	Grade 00 Gage Block Set and Ac	26879-1925	05/27/2020	8242801
STARRETT, RC88AA	Gage Block Set	26879-2404	12/06/2018	7809342
DO ALL, 10in	Sine Plate	26879-2235	04/17/2020	8242794
STARRETT, 81961	Three Face Tri Square	26879-1926	04/24/2019	8019475
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 $k \approx 2$.

Parts Replaced:

AM-4PI 'AAA' BATTERY NO CHARGE (4)

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: **09/17/2018**



MANUFACTURER: Digi-Pas		MODEL #: DWL2000XY		CERT #: 8301984			
DESCRIPTION: 2-Axis Precision Digital Level			PROCEDURE: Mfr Calibration and Test Guide				
COMMENTS:							
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	
Angle							
Single Axis							
(+) Slope	0.000 *	0.000	0.000	-0.020	0.020	*	0.0038
	1.000 *	1.000	1.000	0.980	1.020	*	0.0038
	5.000 *	5.010	5.010	4.960	5.040	*	0.0038
	10.000 *	10.020	10.020	9.960	10.040	*	0.0038
	30.000 *	30.030	30.030	29.960	30.040	*	0.0038
	45.000 *	45.020	45.020	44.960	45.040	*	0.0038
	60.000 *	60.020	60.020	59.960	60.040	*	0.0038
	90.000 *	90.030	90.030	89.960	90.040	*	0.0038
(-) Slope	0.000 *	0.000	0.000	-0.020	0.020	*	0.0038
	-1.000 *	1.000	1.000	0.980	1.020	*	0.0038
	5.000 *	5.020	5.020	4.960	5.040	*	0.0038
	10.000 *	10.020	10.020	9.960	10.040	*	0.0038
	30.000 *	30.030	30.030	29.960	30.040	*	0.0038
	45.000 *	45.010	45.010	44.960	45.040	*	0.0038
	60.000 *	60.020	60.020	59.960	60.040	*	0.0038
	90.000 *	90.030	90.030	89.960	90.040	*	0.0038
Dual Axis							
X-Axis (+) Slope							
	0.000 *	0.000	0.000	-0.020	0.020	*	0.0038
	1.000 *	1.000	1.000	0.980	1.020	*	0.0038
	2.000 *	2.010	2.010	1.980	2.020	*	0.0038
	3.000 *	3.010	3.010	2.960	3.040	*	0.0038
X-Axis (-) Slope							
	0.000 *	0.000	0.000	-0.020	0.020	*	0.0038
	1.000 *	1.000	1.000	0.980	1.020	*	0.0038
	2.000 *	2.010	2.010	1.980	2.020	*	0.0038
	3.000 *	3.010	3.010	2.960	3.040	*	0.0038
Y-Axis (+) Slope							
	0.000 *	0.000	0.000	-0.020	0.020	*	0.0038
	1.000 *	1.000	1.000	0.980	1.020	*	0.0038
	2.000 *	2.010	2.010	1.980	2.020	*	0.0038
	3.000 *	3.020	3.020	2.960	3.040	*	0.0038
Y-Axis (-) Slope							
	0.000 *	0.000	0.000	-0.020	0.020	*	0.0038
	1.000 *	1.000	1.000	0.980	1.020	*	0.0038
	2.000 *	2.010	2.010	1.980	2.020	*	0.0038
	3.000 *	3.010	3.010	2.960	3.040	*	0.0038