Digi-Pas®

DigiPas TECHNOLOGIES Inc.
Irvine, CA 92618. USA. www.digipas.com

Affiliated company:
JSB TECH Pte Ltd, 100 Pasir Panjang Road, #06-02, 100 Pasir Panjang, Singapore 118518. Tel: (65) 6397 5028

8885018810016

Certificate of Calibration

Certificate No: D111111B0D11
Manufacturer: JSB TECH Pte Ltd
Model No: DWL4500XY
Serial No: S/N 11B11000

Date: 21st December 2022
Description: Dual Axis Compact Inclination Sensor Module

Options Installed with Specifications: Temperature Compensated to -40° C to +85° C

Date of Calibration: 20th December 2022 (in storage: next cal.5 years)

Temperature: 20° C ±1 °C
Relative Humidity: 55 ± 10 %RH
Procedure: DP_4500XYV1V1/temp 382793093

This certifies that the above product (s) was calibrated in compliance with ISO9001:2015 using applicable *Digi-Pas*® procedures. These calibration procedure and test points are those recommended in the procedure developed by *Digi-Pas*®.

As received: Factory tested

As Shipping Conditions: At the completion of the calibration, measure values were In-Specification at the points tested.

Remarks or Special Requirements: The product (s) bear a CE and/or FCC marks which is tested and certified by TÜV SÜD & PSB to comply with the EC and/or USA directives.

Traceability Information: Supporting document related to traceability is available for review by appointment. This report shall not be reproduced except in full, without prior written approval of the calibration facility.

Calibration Equipment Used:

Model Number	Model Description
SH-240 S3	ESPEC -TAIBAI Temperature & Humidity Chamber
P3– KPI897803	***Digi-Pas***® Reliability, Test & Evaluation Equipment
GT-0401008	Mitutoyo Granite Table (Grade Zero)
SB-283809	Sine Bar
BG-516-946R-10	Mitutoyo Block Gauge (Grade Zero)
LL000076 & LL001230	***Digi-Pas*®** Precision Angle Jigs

Test/Inspection Report:

Test Description	Specifications	Results	Judgments
Resolution:	0.001° (≤20µm/M)	OK	PASS
Accuracy Cal:	± 0.002° (0.000^0 ~ ± 2.000^0)	± 0.001°	PASS
	± 0.004° for other angles	± 0.003°	PASS
Repeatability:	± 0.001°	± 0.001°	PASS
Symmetrical Check:	± 0.001°	± 0.001°	PASS
Metal Base Surface Flatness:			
Base Surface:	8µm	6µm	PASS
Vertical Surface:	8µm	7µm	PASS
Metal Base Angle:	90° ± 0.01°	90° ± 0.01°	PASS
Operating Temp.:	-40° C to + 85° C	-40° C to + 85° C	PASS

The result of this Certificate of Calibration apply only to the item described above. All reported accuracy values are as measured with no reduction by the uncertainty of measurement. Measurement uncertainty is expresses at a confidence level of 95% (coverage factor k=2).

Digi-Pas®

DigiPas TECHNOLOGIES Inc.
Irvine, CA 92618. USA. www.digipas.com

Affiliated company:
JSB TECH Pte Ltd, 100 Pasir Panjang Road, #06-02, 100 Pasir Panjang, Singapore 118518. Tel: (65) 6397 5028

8885018810016

Certificate No : D111111B0D11
Serial Number : S/N 11B11000

Uncertainty: ±0.001
Units : Degrees

Single Axis:

Description	*Standard*	*Lower Limit*	*Upper Limit*	*As Found*
(+) SLOPE	0.000	-0.002	0.002	0.000
	1.003	1.001	1.005	1.003
	1.433	1.431	1.435	1.433
	2.006	2.002	2.010	2.007
	2.866	2.862	2.870	2.863
	5.020	5.016	5.024	5.022
	6.305	6.301	6.309	6.304
	8.056	8.052	8.060	8.055
	10.000	9.996	10.004	10.000
(-) SLOPE	0.000	-0.002	0.002	0.000
	1.003	1.001	1.005	1.003
	1.433	1.431	1.435	1.432
	2.006	2.002	2.010	2.006
	2.866	2.862	2.870	2.863
	5.020	5.016	5.024	5.021
	6.305	6.301	6.309	6.304
	8.056	8.052	8.060	8.056
	10.000	9.996	10.004	10.001

Dual Axis:

Description	*Standard*	*Lower Limit*	*Upper Limit*	*As Found*
X-axis				
(+) SLOPE	0.000	-0.002	0.002	0.000
	1.003	1.001	1.005	1.004
	1.433	1.431	1.435	1.434
	2.006	2.002	2.010	2.006
	2.866	2.862	2.870	2.865
	5.000	4.996	5.004	4.999
(-) SLOPE	0.000	-0.002	0.002	0.000
	1.003	1.001	1.005	1.003
	1.433	1.431	1.435	1.434
	2.006	2.002	2.010	2.005
	2.866	2.862	2.870	2.866
	5.000	4.996	5.004	5.000
Y-axis				
(+) SLOPE	0.000	-0.002	0.002	0.000
	1.003	1.001	1.005	1.002
	1.433	1.431	1.435	1.434
	2.006	2.002	2.010	2.009
	2.866	2.862	2.870	2.865
	5.000	4.996	5.004	4.997
(-) SLOPE	0.000	-0.002	0.002	0.000
	1.003	1.001	1.005	1.003
	1.433	1.431	1.435	1.433
	2.006	2.002	2.010	2.008
	2.866	2.862	2.870	2.865
	5.000	4.996	5.004	4.997

Checked by: _____
QA Engineer

JSB TECH PTE LTD QA

Authorized by: _____
QA Manager

JSB TECH PTE LTD