NovaStar SOLUTIONS
Metrology Management Services

Calibration Certificate

ACCREDITED
Calibration
#1277.01

35200 Plymouth Rd. / Livonia, MI 48150 / 734.453.8003

Certificate # Z266576:694958

DWL-1900XY - DIGI-PAS - LEVEL

SERIAL NUMBER:	11D13951	WORK ORDER:	694958
ASSET NUMBER:	Z266576	TEST RESULT:	PASS
CUST ASSET NUMBER:	N/A	PERFORMED ON:	05/13/25
PROCEDURE NAME:	DIG - DWL-1900XY - MMCTC	CAL DUE DATE:	05/13/26
PROCEDURE REV:	1	DATA TYPE:	FOUND-LEFT
CALIBRATED BY:	Zacharie Urso	TEMPERATURE:	21 °C
CUSTOMER:	Digipas Technologies Inc 200 Spectrum Center Drive / Suite 300 Irvine, CA 92618	HUMIDITY:	42 %
PRIMARY CONTACT:	Budi Phua/Lap Nguyen		

This instrument has been processed and calibrated in accordance with the NovaStar Solutions Quality System Manual. All calibrations are traceable to the International System of Units (SI) through a National Metrology Institute (NMI) such as NIST, acceptable intrinsic standards of measurement, or derived by the ratio type of self-calibration techniques. The NovaStar Solutions quality system is accredited ISO/IEC 17025 and ANSI/NCSL Z540-1-1994.

The results reported herein apply only to the calibration of the item described above. No sampling plan was used for this calibration.

This laboratory implements a Simple Acceptance decision rule as defined in ILAC G8 for conformity assessments with a TUR 1:1 or greater. Expanded uncertainties are expressed at the approximate 95% level of confidence using a k=2. Due to any number of factors, the recommended due date on the item does not imply continuing conformance to specifications during the recommended interval. Unless otherwise stated the unit under test meets or exceeds manufacturer specifications.

For range and best measurement capability specifications for the standards used to perform this calibration, see the most recent calibration report maintained by this calibration laboratory (available upon request).

AS RECEIVED CONDITION:	In Tolerance	REMARKS:	N/A
AS RETURNED CONDITION:	In Tolerance		
ACTION TAKEN:	FULL CALIBRATION		

Standards Used

Asset #	Cert #	Description	Cal Date	Due Date
1282	1282:690808	9138 - CARL ZEISS - OPTICAL INCLINOMETER	04/25/2025	04/25/2027
4302	4302:662038	42280 - EXTECH - DATA LOGGER	12/20/2024	12/20/2025

QA Signature: Date: 5/16/2025 5:01:59 AM

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Report Of Calibration

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REMARKS: N/A

Standards Used

Asset #	Cert #	Description	Cal Date	Due Date
1282	1282:690808	9138 - CARL ZEISS - OPTICAL INCLINOMETER	04/25/2025	04/25/2027
4302	4302:662038	42280 - EXTECH - DATA LOGGER	12/20/2024	12/20/2025

Test Procedure Results

Test results for calibration with work order : 694958

Test Description	Nominal	Test Result	Limit (Lower)	Limit (Upper)	Units	Uncertainty	Pass/Fail
Zx Axis - Clockwise							
	0.000	0.000	-0.002	0.002	°	5.8E-04	Pass
	0.500	0.499	0.498	0.502	°	5.8E-04	Pass
	1.000	0.999	0.996	1.004	°	5.8E-04	Pass
	2.000	2.000	1.996	2.004	°	5.9E-04	Pass
	3.000	2.999	2.996	3.004	°	6.0E-04	Pass
	5.000	4.999	4.996	5.004	°	6.3E-04	Pass
	3.000	2.999	2.996	3.004	°	6.0E-04	Pass
	2.000	1.999	1.996	2.004	°	5.9E-04	Pass
	1.000	0.999	0.996	1.004	°	5.8E-04	Pass
	0.500	0.499	0.498	0.502	°	5.8E-04	Pass
	0.000	0.000	-0.002	0.002	°	5.8E-04	Pass
Zx Axis - Counter-Clockwise							
	0.000	0.000	-0.002	0.002	°	5.8E-04	Pass
	0.500	0.501	0.498	0.502	°	5.8E-04	Pass
	1.000	1.001	0.996	1.004	°	5.8E-04	Pass
	2.000	2.001	1.996	2.004	°	5.9E-04	Pass
	3.000	3.002	2.996	3.004	°	6.0E-04	Pass
	5.000	5.002	4.996	5.004	°	6.3E-04	Pass
	3.000	3.002	2.996	3.004	°	6.0E-04	Pass
	2.000	2.001	1.996	2.004	°	5.9E-04	Pass
	1.000	1.001	0.996	1.004	°	5.8E-04	Pass
	0.500	0.500	0.498	0.502	°	5.8E-04	Pass
	0.000	0.000	-0.002	0.002	°	5.8E-04	Pass
Zy Axis - Clockwise							
	0.000	0.000	-0.002	0.002	°	5.8E-04	Pass
	0.500	0.500	0.498	0.502	°	5.8E-04	Pass
	1.000	1.000	0.996	1.004	°	5.8E-04	Pass
	2.000	1.999	1.996	2.004	°	5.9E-04	Pass
	3.000	2.999	2.996	3.004	°	6.0E-04	Pass
	5.000	4.998	4.996	5.004	°	6.3E-04	Pass
	3.000	2.999	2.996	3.004	°	6.0E-04	Pass
	2.000	1.999	1.996	2.004	°	5.9E-04	Pass
	1.000	1.000	0.996	1.004	°	5.8E-04	Pass
	0.500	0.500	0.498	0.502	°	5.8E-04	Pass
	0.000	0.000	-0.002	0.002	°	5.8E-04	Pass
Zy Axis - Counter-Clockwise							
	0.000	0.000	-0.002	0.002	°	5.8E-04	Pass
	0.500	0.500	0.498	0.502	°	5.8E-04	Pass
	1.000	0.998	0.996	1.004	°	5.8E-04	Pass
	2.000	1.998	1.996	2.004	°	5.9E-04	Pass
	3.000	2.998	2.996	3.004	°	6.0E-04	Pass
	5.000	4.998	4.996	5.004	°	6.3E-04	Pass

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Test results for calibration with work order : 694958

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	3.000	2.998	2.996	3.004	°	6.0E-04	Pass
	2.000	1.998	1.996	2.004	°	5.9E-04	Pass
	1.000	0.998	0.996	1.004	°	5.8E-04	Pass
	0.500	0.500	0.498	0.502	°	5.8E-04	Pass
	0.000	0.000	-0.002	0.002	°	5.8E-04	Pass

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