

# Certificate Of Calibration

Issued By Micron Metrology 2000 Limited

Date of issue: 22 October 2013

Certificate Number 64798/1 U



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Approved Signatory

D Hughes

C Monnington

G Whitehurst

**Certificate issued to:**

TARAX TECHNOLOGY LIMITED

FIRST FLOOR

OFFICE 2

10 PANMURE STREET

DUNDEE

DD1 2BW

**Order Number:**

**Date Received:** 13 September 2013

**Description:** DIGITAL INCLINOMETER

**Manufacturer:** DIGI-PAS

**Model Number:** DWL-80E

**Serial Number:** SNA27G13 047

**Range** 90

**Unit:** °

**Resolution** 0.1

**Basis of Test:** MANUFACTURERS SPECIFICATION

**Procedure:** LPM 4 - 17

**Calibration Date:** 19 September 2013

**Temperature** 20 ±1° C

**Issue:** 1

**Relative Humidity** < 50 % rh

**Modified:** 19 December 2011

Method:

This instrument was allowed to stabilise in a controlled environment for a period of time exceeding 24 hours.

It was then calibrated by comparison to angle gauge blocks using a sine table.

The instrument readings were allowed to stabilise before readings were taken.

The uncertainties shown relate only to the measured values during the calibration & do not carry any implication as to the long term stability of the instrument.

## Calibration Notes

supplement to certificate no. 64798

The reported expanded uncertainty is based on a standard uncertainty multiplied by a coverage factor k=2, providing a level of confidence of approximately 95%. The uncertainty evaluation has been carried out in accordance with UKAS requirements.

This certificate is issued in accordance with the laboratory accreditation requirements of the United Kingdom Accreditation Service. It provides traceability of measurement to the SI system of units and/or to the units of measurement realised at the National Physical Laboratory or other recognised national metrology institutes. This certificate may not be reproduced other than in full, except with the prior written approval of the issuing laboratory.



# Certificate Of Calibration

UKAS Accredited Calibration Laboratory No. 0720

Certificate Number  
64798/1 U

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Serial Number: SNA27G13 047

<u>LEFT</u>	<u>Nominal Size</u>	<u>Lower Limit</u>	<u>Upper Limit</u>	<u>As Found</u>	<u>Unit</u>
	0.0	-0.1	0.1	0.0	°
	9.0	8.8	9.2	9.0	°
	15.0	14.8	15.2	15.0	°
	27.0	26.8	27.2	27.1	°
	36.0	35.8	36.2	36.0	°
	44.0	43.8	44.2	44.1	°
	90.0	89.9	90.1	90.0	°
Repeatability	0.0	-0.1	0.1	0.0	°

  

<u>RIGHT</u>	<u>Nominal Size</u>	<u>Lower Limit</u>	<u>Upper Limit</u>	<u>As Found</u>	<u>Unit</u>
	0.0	-0.1	0.1	0.0	°
	9.0	8.8	9.2	9.0	°
	15.0	14.8	15.2	15.0	°
	27.0	26.8	27.2	26.9	°
	36.0	35.8	36.2	36.0	°
	44.0	43.8	44.2	44.0	°
	90.0	89.9	90.1	89.9	°
Repeatability	0.0	-0.1	0.1	0.0	°

\*\*\*\*\* END \*\*\*\*\*

Uncertainty of Measurement  $\pm 0.1^\circ$

### Standards Used To Calibrate Equipment

<u>I.D.</u>	<u>Description</u>
00000002	ANGLE GAUGE SET
00000149	SINE CENTER

Due Date  
02/07/2017

UKAS is one of the signatories to the Multilateral Agreement of the European co-operation for Accreditation (EA) for the mutual recognition of calibration certificates issued by accredited laboratories.

Calibrated By: 

The reported expanded uncertainty is based on a standard uncertainty multiplied by a coverage factor k, providing a level of confidence of approximately 95%. The uncertainty evaluation has been carried out in accordance with UKAS requirements.

