



# SMSB

**SENDI MAHIR SDN. BHD.** 199501003943 (333138-T)

NO. 6, 8, 10 & 12, JALAN KAPAR 27/89, MEGAH INDUSTRIAL PARK,  
SEKSYEN 27, 40400 SHAH ALAM, SELANGOR DARUL EHSAN, MALAYSIA.  
TEL: 03-5191 7388 FAX: 03-5191 0675

EMAIL: enquiry@sendimahir.com ; marketing@sendimahir.com Website: www.sendimahir.com



SAMM 082

## CERTIFICATE OF CALIBRATION

Certificate No. : SM23190011

Date of Issue : 20 Dec 2023

Issued By : Sendi Mahir Sdn Bhd

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**Customer** : GALAXY AEROSPACE (M) SDN BHD  
SUITE 11-14, HELICOPTER CENTRE  
MALAYSIA INTERNATIONAL AEROSPACE CENTRE SULTAN ABDUL AZIZ SHAH AIRPORT  
47200 SUBANG SELANGOR

**Instrument** : Dial Gauge

**Calibration Date** : 20 Dec 2023

**Manufacturer** : Baker

**Recalibration Date** : 20 Dec 2024

**Model/Type** : -

**Specified By Customer**

**Serial No** : SHI602 (JBPM/GAM/014)

Remark : The user should be aware that any numbers of factors may cause this instrument to drift out of calibration before the specified calibration interval has expired.

**Capacity** : 0 ~ 10 mm

**Resolution** : 0.01 mm

**Calibration Environment Condition:**

**Condition Upon Receiving** : Good Physical Condition

**Temperature** : 20.1 to 20.2 °C

**Relative Humidity** : 54 to 55 %rh

**Condition Upon Returning** : The instrument has been calibrated. The results are as follows.

**Calibration Method** : Internal Calibration Procedure(s) ICPD1

**Calibration Venue** : This Instrument has been calibrated at Sendi Mahir Sdn Bhd

**Measurement Uncertainty** : The reported expanded measurement uncertainty is stated as the standard measurement uncertainty multiplied by the coverage factor k such that the coverage probability corresponds to approximately 95% and have a coverage factor of k=2 unless stated otherwise.

### Reference Standard(s) Used :

Reference Standard Name	Serial No	Certificate No	Due Date	Accreditation No	Traceability
DIAL GAUGE CALIBRATOR	D003	SM23117371	09 Mar 2024	SAMM 082	NMIM(MY)
GAUGE BLOCK SET '0'	D007	SM23143171	22 Jun 2024	SAMM 082	NMIM(MY)
TOOLMAKERS FLAT	D012	SM23102406	11 Jan 2024	SAMM 082	NMIM(MY)

Calibrated By:

Nurul Shuhada

Approved Signatory:

L.H. Seah

This certificate is issued in accordance with the laboratory accreditation requirements of Skim Akreditasi Makmal Malaysia (SAMM) of Standards Malaysia which is a signatory to the ILAC MRA. The measurement results included in this document are traceable to Malaysia national measurement standards maintained by the National Metrology Institute of Malaysia (NMIM). NMIM is a signatory to the CIPM MRA. It provides traceability of measurement to the SI system of units and/or to units of measurement realised at the NMIM and other recognised national metrology institutes. The results of calibration performed by Sendi Mahir Sdn Bhd apply to the particular equipment at the time of its test. They do not indicate or imply that Sendi Mahir Sdn Bhd approves, recommends or endorses the manufacturers or suppliers or users of such equipment that Sendi Mahir Sdn Bhd in any way guarantees the equipment's performance after calibration. Test/calibrations marked 'Not SAMM Accredited' in this report/certificate are not included in the SAMM Accreditation Schedule of our laboratory. Opinions and interpretations expressed herein are outside the scope of SAMM accreditation. Copyright of this certificate is owned by the issuing laboratory and may not be reproduced other than in full except with the prior written approval of the Head of the issuing laboratory.



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### Technical Information :

Readability : 0.002 mm

Customer Specification : N/A

### Calibration Results :

All unit in : mm

#### *A) Linear Accuracy*

Interval of Reading	Maximum Deviation
Any <b>0.1</b> mm	0.0065
Any <b>Half</b> Revolution	0.0104
Any <b>One</b> Revolution	0.0105
Any <b>Two</b> Revolution	0.0118
Any <b>Large</b> Revolution	0.0125

#### *B) Repeatability & Discrimination*

Feature Inspected	Measured Value
Repeatability	0.000
Discrimination	0.004

Measurement Uncertainty :  $\pm 0.002$  mm

Note : This instrument has been calibrated according to BS EN ISO 463 : 2006 as general guideline.

~ END OF REPORT ~