



ACCURATE TECHNOLOGY

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American National Standards Institute
Accreditation Calibration
ANSI Member : 264502
ISO / IEC 17025

CERTIFICATE OF CALIBRATION

CERTIFICATE NO. : AT 32491 - 19

SUBMITTED BY : KEJURUTERAAN GEMILANG JAYA SDN BHD
LOT. 27 , TANJUNG KIDURONG
SHOP HOUSES , 1 ST FLOOR ,
JALAN KIDURONG ,
97000 , BINTULU , SARAWAK .

DATE OF ISSUE : 14 DECEMBER 2019

PAGE : 1 OF 2

INSTRUMENT : DIGITAL SURFACE PROFILE GAUGE

BRAND : TOPFIELD BORNEO SDN BHD

MODEL : TOPGAUGE S P G - 1018

SERIAL NO : N 920 627

RANGE : 0.0 - 750.0 um

RESOLUTION : 1.00 um

CALIBRATION DATE : 14 DECEMBER 2019

RECOMMEND DUE DATE : 14 DECEMBER 2020

TEMPERATURE : 20.5 ° C \pm 1.0 ° C

RELATIVE HUMIDITY : 45 % \pm 5 % R.H.

INSTRUMENT CONDITION WHEN RECEIVED
- GOOD PHYSICAL CONDITION

INSTRUMENT CONDITION WHEN RETURNED
- CALIBRATED AND TESTED SERVICEABLE
- ZERO ADJUSTMENT HAS DONE

METHOD OF CALIBRATION

AS GENERAL RECOMMENDED BY JAPAN INDUSTRIAL STANDARD (JIS) IN PROCEDURE JIS B 7518 - 2007

MASTER EQUIPMENTS USED

PRECISION GAUGE BLOCK SET

DEPTH MICRO CHECKER

SERIAL NO

359817

638290

DUE DATE

31 DECEMBER 2020

31 DECEMBER 2020

TRACEABILITY OF MASTER EQUIPMENTS

THE EQUIPMENT IS TRACEABLE TO ANSI / ASTM REPORT NO : B77 - 14061 - 2020

RESULT OF CALIBRATION

AS PER GIVEN IN PAGES 2 OF THIS REPORT

MEASUREMENT UNCERTAINTY

THE UNCERTAINTY CALCULATION IS BASED ON THE ISO GUIDE TO THE EXPRESSION OF UNCERTAINTY MEASUREMENT

THE UNCERTAINTIES ARE FOR A CONFIDENCE PROBABILITY OF NOT LESS THAN 95 %

THE ATTACHED MEASUREMENT DATA INDICATED ALL THE TEST PERFORMED AT TIME OF CALIBRATION AND HAS FOUND THE INSTRUMENT TO BE WITHIN SPECIFICATIONS UNLESS OTHERWISE INDICATED . THIS REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL , WITHOUT THE WRITTEN APPROVAL OF THE LABORATORY .



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CALIBRATION RESULTS

Testing Range = 20.0 to 700.0 um

Nominal Value	Specified Limit				Measured Value	Deviation	Judgement
	Min		Max				
20.00 um	15.00	to	25.00 um		20.00 um	0.00 um	Acceptable
50.00 um	45.00	to	55.00 um		50.00 um	0.00 um	Acceptable
100.00 um	95.00	to	105.00 um		100.00 um	0.00 um	Acceptable
150.00 um	145.00	to	155.00 um		150.00 um	0.00 um	Acceptable
200.00 um	195.00	to	205.00 um		199.00 um	- 1.00 um	Acceptable
300.00 um	295.00	to	305.00 um		299.00 um	- 1.00 um	Acceptable
400.00 um	395.00	to	405.00 um		399.00 um	- 1.00 um	Acceptable
500.00 um	495.00	to	505.00 um		498.00 um	- 2.00 um	Acceptable
600.00 um	595.00	to	605.00 um		598.00 um	- 2.00 um	Acceptable
700.00 um	695.00	to	705.00 um		698.00 um	- 2.00 um	Acceptable

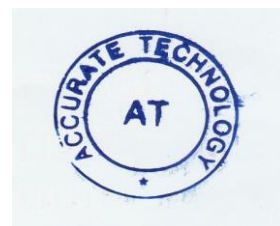
PERMISSIBLE VALUE	± 10.00 um
MEASUREMENT UNCERTAINTY	± 1.000 um

CALIBRATED BY

PONY MAH

CERTIFIED BY

ELISE SO



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