

# Schedule

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|                                                                                   |                                                                                                                                                            |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>LABORATORY LOCATION/<br/>CENTRAL OFFICE:</b>                                   | Trescal (Malaysia) Sdn. Bhd. (Johor)<br>No 45 & 45-01, Jalan Kempas Indah 1/3 Taman Kempas Indah<br>81300 Johor Bahru, Johor , 81300,<br>JOHOR<br>MALAYSIA |
|  |                                                                                                                                                            |
| <b>ACCREDITED SINCE :</b>                                                         | 05 FEBRUARY 2013                                                                                                                                           |
| <b>FIELD(S) OF CALIBRATION:</b>                                                   | HEAT & TEMPERATURE<br>ELECTRICAL<br>MASS<br>PRESSURE<br>DIMENSIONAL                                                                                        |

This laboratory has demonstrated its technical competence to operate in accordance with MS ISO/IEC 17025:2017 (ISO/IEC 17025:2017).

This laboratory's fulfillment of the requirements of ISO/IEC 17025 means the laboratory meets both the technical competence requirements and management system requirements that are necessary for it to consistently deliver technically valid test results and calibrations. The management system requirements in ISO/IEC 17025 are written in language relevant to laboratory operations and operate generally in accordance with the principles of ISO 9001 (see Joint ISO-ILAC-IAF Communiqué dated April 2017).

**\* The uncertainty covered by the CMC is expressed as the expanded uncertainty corresponding to a coverage probability of approximately 95 % and have a coverage factor of k=2 unless stated otherwise.**

|                                  |                                                                                                                                                |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>CENTRAL LOCATION</b>          | Trescal (Malaysia) Sdn. Bhd. (Johor)<br>No 45 & 45-01, Jalan Kempas Indah 1/3 Taman Kempas Indah<br>81300 Johor Bahru, Johor , 81300,<br>Johor |
| <b>FIELD(S) OF CALIBRATION :</b> | HEAT & TEMPERATURE, ELECTRICAL, MASS, PRESSURE,<br>DIMENSIONAL                                                                                 |

## SCOPE OF CALIBRATION : HEAT & TEMPERATURE

| Instrument<br>Calibrated/Measurement<br>Parameter | Range                              | Calibration and<br>Measurement<br>Capability<br>Expressed as an<br>Uncertainty ( $\pm$ )* | Remarks                                              |
|---------------------------------------------------|------------------------------------|-------------------------------------------------------------------------------------------|------------------------------------------------------|
| Liquid In Glass Thermometer (total<br>Immersion)  | -30 °C to 30 °C<br>30 °C to 200 °C | 0.09 °C<br>0.09 °C                                                                        | Comparison with<br>reference Pt100 in<br>liquid bath |

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| Instrument<br>Calibrated/Measurement<br>Parameter                    | Range                                                                                         | Calibration and<br>Measurement<br>Capability<br>Expressed as an<br>Uncertainty ( $\pm$ )* | Remarks                                                                                                            |
|----------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| Liquid In Glass Thermometer<br>(partial Immersion)                   | -30 °C to 30 °C<br>30 °C to 200 °C                                                            | 0.09 °C<br>0.09 °C                                                                        | Comparison with<br>reference Pt100 in<br>liquid bath                                                               |
| Temperature Sensor                                                   | -30 °C to 0 °C<br>0 °C to 200 °C<br>200 °C to 400 °C<br>400 °C to 600 °C<br>600 °C to 1200 °C | 0.1 °C<br>0.097 °C<br>0.33 °C<br>0.75 °C<br>2.7 °C                                        | Comparison with<br>reference Pt100/Type<br>R thermocouple in<br>liquid bath and<br>temperature block<br>calibrator |
| Temperature Sensor With Indicator                                    | -30 °C to 0 °C<br>0 °C to 200 °C<br>200 °C to 400 °C<br>400 °C to 600 °C<br>600 °C to 1200 °C | 0.09 °C<br>0.083 °C<br>0.33 °C<br>0.75 °C<br>2.7 °C                                       | Comparison with<br>reference Pt100/Type<br>R thermocouple in<br>liquid bath and<br>temperature block<br>calibrator |
| <b>Temperature Calibrator</b><br><b>I) Source</b><br>A) Type K       | -200 °C to -100 °C<br>-100 °C to 1370 °C                                                      | 0.3 °C<br>0.1 °C                                                                          | By electrical<br>measurement using<br>multimeter                                                                   |
| <b>Temperature Calibrator</b><br><b>I) Source</b><br>B) Type N       | -200 °C to -100 °C<br>-100 °C to 1300 °C                                                      | 0.3 °C<br>0.1 °C                                                                          | By electrical<br>measurement using<br>multimeter                                                                   |
| <b>Temperature Calibrator</b><br><b>I) Source</b><br>C) Type J       | -200 °C to 1200 °C                                                                            | 0.1 °C                                                                                    | By electrical<br>measurement using<br>multimeter                                                                   |
| <b>Temperature Calibrator</b><br><b>I) Source</b><br>D) Type T       | -200 °C to -100 °C<br>-100 °C to 400°C                                                        | 0.2 °C<br>0.1 °C                                                                          | By electrical<br>measurement using<br>multimeter                                                                   |
| <b>Temperature Calibrator</b><br><b>I) Source</b><br>E) Type E       | -200 °C to -100 °C<br>-100 °C to 1000°C                                                       | 0.2 °C<br>0.1 °C                                                                          | By electrical<br>measurement using<br>multimeter                                                                   |
| <b>Temperature Calibrator</b><br><b>I) Source</b><br>F) Type R       | 0 °C to 1760°C                                                                                | 0.2 °C                                                                                    | By electrical<br>measurement using<br>multimeter                                                                   |
| <b>Temperature Calibrator</b><br><b>I) Source</b><br>G) Type S       | 0 °C to 1760°C                                                                                | 0.2 °C                                                                                    | By electrical<br>measurement using<br>multimeter                                                                   |
| <b>Temperature Calibrator</b><br><b>I) Source</b><br>H) Type B       | 600 °C to 1800°C                                                                              | 0.3 °C                                                                                    | By electrical<br>measurement using<br>multimeter                                                                   |
| <b>Temperature Calibrator</b><br><b>I) Source</b><br>I) Pt 100       | -200 °C to 850°C                                                                              | 0.1 °C                                                                                    | By electrical<br>measurement using<br>multimeter                                                                   |
| <b>Temperature Calibrator</b><br><b>ii) Measurement</b><br>A) Type K | -200 °C to -100 °C<br>-100 °C to 1370 °C                                                      | 1.2°C<br>0.4 °C                                                                           | By electrical<br>simulation using<br>calibrator                                                                    |

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| Instrument<br>Calibrated/Measurement<br>Parameter             | Range                                    | Calibration and<br>Measurement<br>Capability<br>Expressed as an<br>Uncertainty ( $\pm$ )* | Remarks                                         |
|---------------------------------------------------------------|------------------------------------------|-------------------------------------------------------------------------------------------|-------------------------------------------------|
| <b>Temperature Calibrator</b><br>ii) Measurement<br>B) Type N | -200 °C to -100 °C<br>-100 °C to 1300 °C | 1.1 °C<br>0.3 °C                                                                          | By electrical<br>simulation using<br>calibrator |
| <b>Temperature Calibrator</b><br>ii) Measurement<br>C) Type J | -200 °C to 1200 °C                       | 0.4 °C                                                                                    | By electrical<br>simulation using<br>calibrator |
| <b>Temperature Calibrator</b><br>ii) Measurement<br>D) Type T | -200 °C to -100 °C<br>-100 °C to 400 °C  | 0.6 °C<br>0.3 °C                                                                          | By electrical<br>simulation using<br>calibrator |
| <b>Temperature Calibrator</b><br>ii) Measurement<br>E) Type E | -200 °C to -100 °C<br>-100 °C to 1000 °C | 0.6 °C<br>0.3 °C                                                                          | By electrical<br>simulation using<br>calibrator |
| <b>Temperature Calibrator</b><br>ii) Measurement<br>F) Type R | 0 °C to 1760 °C                          | 2 °C                                                                                      | By electrical<br>simulation using<br>calibrator |
| <b>Temperature Calibrator</b><br>ii) Measurement<br>G) Type S | 0 °C to 1760 °C                          | 2 °C                                                                                      | By electrical<br>simulation using<br>calibrator |
| <b>Temperature Calibrator</b><br>ii) Measurement<br>H) Type B | 600 °C to 1800 °C                        | 2 °C                                                                                      | By electrical<br>simulation using<br>calibrator |
| <b>Temperature Calibrator</b><br>ii) Measurement<br>I) Pt 100 | -200 °C to 850 °C                        | 0.2 °C                                                                                    | By electrical<br>simulation using<br>calibrator |
| <b>Temperature Indicating Device</b><br>A) Type K             | -200 °C to -100 °C<br>-100 °C to 1370 °C | 1.2 °C<br>0.4 °C                                                                          | By electrical<br>simulation using<br>calibrator |
| <b>Temperature Indicating Device</b><br>B) Type N             | -200 °C to -100 °C<br>-100 °C to 1300 °C | 1.1 °C<br>0.3 °C                                                                          | By electrical<br>simulation using<br>calibrator |
| <b>Temperature Indicating Device</b><br>C) Type J             | -200 °C to 1200 °C                       | 0.4 °C                                                                                    | By electrical<br>simulation using<br>calibrator |
| <b>Temperature Indicating Device</b><br>D) Type T             | -200 °C to -100 °C<br>-100 °C to 400 °C  | 0.6 °C<br>0.3 °C                                                                          | By electrical<br>simulation using<br>calibrator |
| <b>Temperature Indicating Device</b><br>E) Type E             | -200 °C to -100 °C<br>-100 °C to 1000 °C | 0.6 °C<br>0.3 °C                                                                          | By electrical<br>simulation using<br>calibrator |
| <b>Temperature Indicating Device</b><br>F) Type R             | 0 °C to 1760 °C                          | 2 °C                                                                                      | By electrical<br>simulation using<br>calibrator |
| <b>Temperature Indicating Device</b><br>G) Type S             | 0 °C to 1760 °C                          | 2 °C                                                                                      | By electrical<br>simulation using<br>calibrator |

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| Instrument<br>Calibrated/Measurement<br>Parameter | Range             | Calibration and<br>Measurement<br>Capability<br>Expressed as an<br>Uncertainty ( $\pm$ )* | Remarks                                         |
|---------------------------------------------------|-------------------|-------------------------------------------------------------------------------------------|-------------------------------------------------|
| Temperature Indicating Device<br>H) Type B        | 600 °C to 1800°C  | 2°C                                                                                       | By electrical<br>simulation using<br>calibrator |
| Temperature Indicating Device<br>I) Pt 100        | -200 °C to 850 °C | 0.2 °C                                                                                    | By electrical<br>simulation using<br>calibrator |

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## SCOPE OF CALIBRATION : ELECTRICAL

| Instrument<br>Calibrated/Measurement<br>Parameter | Range             | Calibration and<br>Measurement<br>Capability<br>Expressed as an<br>Uncertainty ( $\pm$ )* | Remarks                          |
|---------------------------------------------------|-------------------|-------------------------------------------------------------------------------------------|----------------------------------|
| Time & Frequency<br>Stop Watch / Timer            | 0 to 30 s         | 0.05 s                                                                                    | Calibrate by using<br>Stop Watch |
|                                                   | 30 s to 60 s      | 0.06 s                                                                                    |                                  |
|                                                   | 60 s to 300 s     | 0.06 s                                                                                    |                                  |
|                                                   | 300 s to 600 s    | 0.09 s                                                                                    |                                  |
|                                                   | 600 s to 900 s    | 0.11 s                                                                                    |                                  |
|                                                   | 900 s to 1800 s   | 0.20 s                                                                                    |                                  |
|                                                   | 1800 s to 3600 s  | 0.40 s                                                                                    |                                  |
|                                                   | 3600 s to 7200 s  | 0.80 s                                                                                    |                                  |
|                                                   | 7200 s to 10800 s | 1.2 s                                                                                     |                                  |

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## SCOPE OF CALIBRATION : MASS

| Instrument<br>Calibrated/Measurement<br>Parameter  | Range | Calibration and<br>Measurement<br>Capability<br>Expressed as an<br>Uncertainty ( $\pm$ )* | Remarks                                                                                               |
|----------------------------------------------------|-------|-------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|
| Standard Weight Class M1, M2 &<br>M3 / Dead Weight | 1 kg  | 0.03 g                                                                                    | Calibrate by using<br>standard weight and<br>comparator with<br>reference to OIML<br>R111-1: 2004 (E) |
|                                                    | 2 kg  | 0.03 g                                                                                    |                                                                                                       |
|                                                    | 5 kg  | 0.03 g                                                                                    |                                                                                                       |
|                                                    | 10 kg | 0.1 g                                                                                     |                                                                                                       |
|                                                    | 20 kg | 0.2 g                                                                                     |                                                                                                       |
|                                                    | 25 kg | 0.2 g                                                                                     |                                                                                                       |

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## SCOPE OF CALIBRATION : PRESSURE

| Instrument Calibrated/Measurement Parameter | Range                                                                                                                                                                | Calibration and Measurement Capability Expressed as an Uncertainty ( $\pm$ )*                             | Remarks                                                        |
|---------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| Pneumatic                                   | 0 mbar to 5 mbar<br>5 mbar to 10 mbar<br>10 mbar to 30 mbar<br>30 mbar to 50 mbar<br>50 mbar to 70 mbar<br>70 mbar to 1000 mbar<br>1 bar to 8 bar<br>8 bar to 30 bar | 0.003 mbar<br>0.006 mbar<br>0.016 mbar<br>0.030 mbar<br>0.043 mbar<br>0.15 mbar<br>0.002 bar<br>0.007 bar | Calibrate by using reference gauge with reference to DKD-R 6-1 |
| Vacuum                                      | -0.95 bar to 0 bar                                                                                                                                                   | 0.008 bar                                                                                                 | Calibrate by using reference gauge with reference to DKD-R 6-1 |
| Hydraulic                                   | 0 bar to 100 bar<br>100 bar to 300 bar<br>300 bar to 700 bar<br>700 bar to 1400 bar<br>1400 bar to 2500 bar                                                          | 0.04 bar<br>0.07 bar<br>0.12 bar<br>0.3 bar<br>0.5 bar                                                    | Calibrate by using reference gauge with reference to DKD-R 6-1 |

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## SCOPE OF CALIBRATION : DIMENSIONAL

| Instrument Calibrated/Measurement Parameter | Range                                                                                                            | Calibration and Measurement Capability Expressed as an Uncertainty ( $\pm$ )* | Remarks                                                                                                     |
|---------------------------------------------|------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|
| Precision Caliper (internal & External)     | 0 mm to 300 mm<br>300 mm to 600 mm                                                                               | 7 mm<br>13 $\mu$ m                                                            | Calibrate by using caliper checker/gauge block as standards according to JIS B7507                          |
| Micrometer (external)                       | 25 mm travel for micrometer frame sizes (in mm)<br>25, 50<br>75, 100, 125, 150<br>175, 200, 225<br>250, 275, 300 | 2 $\mu$ m<br>3 $\mu$ m<br>4 $\mu$ m<br>5 $\mu$ m                              | Calibrate by using gauge block and optical parallel as standards according to JIS B7502                     |
| Height Gauge                                | 0 mm to 300 mm<br>300 mm to 600 mm                                                                               | 7 $\mu$ m<br>11 $\mu$ m                                                       | Calibrate by using caliper checker, gauge block and dial test indicator as standards according to JIS B7517 |
| Dial Thickness Gauge                        | Up to 20 mm                                                                                                      | 1 $\mu$ m                                                                     | Calibrate by using gauge block as standards according to JIS B7536                                          |
| Dial Gauge                                  | Up to 25 mm<br>25 mm to 50 mm<br>50 mm to 75 mm<br>75 mm to 100 mm                                               | 1.4 $\mu$ m<br>1.9 $\mu$ m<br>2 $\mu$ m<br>2.2 $\mu$ m                        | Calibrate by using micrometer head as standards according to JIS B7503                                      |
| Dial Test Indicator                         | Up to 0.3 mm<br>0.3 mm to 0.6 mm<br>0.6 mm to 2.0 mm                                                             | 1.4 $\mu$ m<br>1.5 $\mu$ m<br>4 $\mu$ m                                       | Calibrate by using micrometer head as standards according to JIS B7533                                      |
| Digital Indicator                           | Up to 50 mm                                                                                                      | 2 $\mu$ m                                                                     | Calibrate by using gauge block JIS B7536                                                                    |

|                                  |                                                         |
|----------------------------------|---------------------------------------------------------|
| <b>SITE LOCATION (HQ)</b>        | 1. CATEGORY I                                           |
| <b>FIELD(S) OF CALIBRATION :</b> | DIMENSIONAL,ELECTRICAL,HEAT & TEMPERATURE,MASS,PRESSURE |

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**SCOPE OF CALIBRATION : HEAT & TEMPERATURE**

| Material / Product Tested                         | Type Of Test / Properties Measured / Range Of Measurement                     | Standard Test Methods / Equipment / Techniques | Remarks                                                            |
|---------------------------------------------------|-------------------------------------------------------------------------------|------------------------------------------------|--------------------------------------------------------------------|
| Temperature Sensor                                | 30 °C to 200 °C<br>200 °C to 400 °C                                           | 0.27 °C<br>0.44 °C                             | Comparison with reference Pt100 in temperature block calibrator    |
| Temperature Sensor With Indicator                 | 30 °C to 200 °C<br>200 °C to 400 °C                                           | 0.2 °C<br>0.41 °C                              | Comparison with reference Pt100 in temperature block calibrator    |
| <b>Temperature Indicating Device</b><br>A) Type K | -200 °C to -100 °C<br>-100 °C to 1370 °C                                      | 1.2 °C<br>0.4 °C                               | By electrical simulation using calibrator                          |
| <b>Temperature Indicating Device</b><br>B) Type N | -200 °C to -100 °C<br>-100 °C to 1300 °C                                      | 1.1 °C<br>0.3 °C                               | By electrical simulation using calibrator                          |
| <b>Temperature Indicating Device</b><br>C) Type J | -200 °C to 1200 °C                                                            | 0.4 °C                                         | By electrical simulation using calibrator                          |
| <b>Temperature Indicating Device</b><br>D) Type T | -200 °C to -100 °C<br>-100 °C to 400 °C                                       | 0.6 °C<br>0.3 °C                               | By electrical simulation using calibrator                          |
| <b>Temperature Indicating Device</b><br>E) Type E | -200 °C to -100 °C<br>-100 °C to 1000 °C                                      | 0.6 °C<br>0.3 °C                               | By electrical simulation using calibrator                          |
| <b>Temperature Indicating Device</b><br>F) Type R | 0 °C to 1760 °C                                                               | 2 °C                                           | By electrical simulation using calibrator                          |
| <b>Temperature Indicating Device</b><br>G) Type S | 0 °C to 1760 °C                                                               | 2 °C                                           | By electrical simulation using calibrator                          |
| <b>Temperature Indicating Device</b><br>H) Type B | 600 °C to 1800 °C                                                             | 2 °C                                           | By electrical simulation using calibrator                          |
| <b>Temperature Indicating Device</b><br>I) Pt 100 | -200 °C to 850 °C                                                             | 0.2 °C                                         | By electrical simulation using calibrator                          |
| Temperature Controlled Enclosure                  | -30 °C to 100 °C<br>100 °C to 250 °C<br>250 °C to 600 °C<br>600 °C to 1200 °C | 0.6 °C<br>0.6 °C<br>1.6 °C<br>2.5 °C           | Calibrate using temperature recorder & thermocouple                |
| Humidity Enclosure                                | 5 °C to 40 °C<br>30 %rh to 90 %rh                                             | 0.3 °C<br>2.4 %rh                              | Calibrate using temperature recorder & thermocouple or data logger |

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**SCOPE OF CALIBRATION : ELECTRICAL**

| Material / Product Tested                               | Type Of Test / Properties Measured / Range Of Measurement                                                                                                      | Standard Test Methods / Equipment / Techniques                                        | Remarks                        |
|---------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------|
| <b>Time &amp; Frequency</b><br>Stop Watch / Timer       | 0 to 30 s<br>30 s to 60 s<br>60 s to 300 s<br>300 s to 600 s<br>600 s to 900 s<br>900 s to 1800 s<br>1800 s to 3600 s<br>3600 s to 7200 s<br>7200 s to 10800 s | 0.05 s<br>0.06 s<br>0.06 s<br>0.09 s<br>0.11 s<br>0.20 s<br>0.40 s<br>0.80 s<br>1.2 s | Calibrate by using Stop Watch  |
| <b>Time &amp; Frequency</b><br>Rpm Meter<br>non Contact | 60 rpm to 14000 rpm                                                                                                                                            | 1.1 rpm                                                                               | Calibrated by using Tachometer |

**SCOPE OF CALIBRATION : MASS**

| Material / Product Tested | Type Of Test / Properties Measured / Range Of Measurement                                                                                                        | Standard Test Methods / Equipment / Techniques                                  | Remarks                                                                   |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|---------------------------------------------------------------------------|
| Balance                   | 10 mg to 200 g<br>200 g to 1 kg<br>1 kg to 5 kg<br>5 kg to 10 kg<br>10 kg to 20 kg<br>20 kg to 50 kg<br>50 kg to 100 kg<br>100 kg to 500 kg<br>500 kg to 1000 kg | 0.7 mg<br>6 mg<br>24 mg<br>0.1 g<br>0.2 g<br>0.3 g<br>0.6 g<br>0.1 kg<br>0.2 kg | Calibrate by using standard weights with reference to ASTM E898-88 (2005) |

**SCOPE OF CALIBRATION : PRESSURE**

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| Material / Product Tested | Type Of Test / Properties Measured / Range Of Measurement                                                                                                            | Standard Test Methods / Equipment / Techniques                                                            | Remarks                                                        |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| Pneumatic                 | 0 mbar to 5 mbar<br>5 mbar to 10 mbar<br>10 mbar to 30 mbar<br>30 mbar to 50 mbar<br>50 mbar to 70 mbar<br>70 mbar to 1000 mbar<br>1 bar to 8 bar<br>8 bar to 30 bar | 0.003 mbar<br>0.006 mbar<br>0.016 mbar<br>0.030 mbar<br>0.043 mbar<br>0.15 mbar<br>0.002 bar<br>0.007 bar | Calibrate by using reference gauge with reference to DKD-R 6-1 |
| Vacuum                    | -0.95 bar to 0 bar                                                                                                                                                   | 0.006 bar                                                                                                 | Calibrate by using reference gauge with reference to DKD-R 6-1 |
| Hydraulic                 | 0 bar to 100 bar<br>100 bar to 300 bar<br>300 bar to 700 bar<br>700 bar to 1400 bar<br>1400 bar to 2500 bar                                                          | 0.04 bar<br>0.07 bar<br>0.12 bar<br>0.3 bar<br>0.5 bar                                                    | Calibrate by using reference gauge with reference to DKD-R 6-1 |

### SCOPE OF CALIBRATION : DIMENSIONAL

| Material / Product Tested               | Type Of Test / Properties Measured / Range Of Measurement                                                                     | Standard Test Methods / Equipment / Techniques                | Remarks                                                                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| Precision Caliper (internal & External) | 0 mm to 300 mm<br>300 mm to 600 mm                                                                                            | 0.02 mm<br>0.04 mm                                            | Calibrate by using caliper checker/gauge block as standards according to JIS B7507      |
| Micrometer (external)                   | 25 mm travel for micrometer frame sizes (in mm)<br>25, 50, 75<br>100, 125<br>125, 150<br>175<br>200<br>225, 250<br>275<br>300 | 3 µm<br>4 µm<br>5 µm<br>6 µm<br>7 µm<br>8 µm<br>9 µm<br>10 µm | Calibrate by using gauge block and optical parallel as standards according to JIS B7502 |

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| Material / Product Tested                          | Type Of Test / Properties Measured / Range Of Measurement | Standard Test Methods / Equipment / Techniques | Remarks                                                                                                     |
|----------------------------------------------------|-----------------------------------------------------------|------------------------------------------------|-------------------------------------------------------------------------------------------------------------|
| Height Gauge                                       | 0 mm to 300 mm<br>300 mm to 600 mm                        | 7 µm<br>11 µm                                  | Calibrate by using caliper checker, gauge block and dial test indicator as standards according to JIS B7517 |
| Surface Plate                                      | 300 mm x 300 mm<br>1000 mm x 1000 mm                      | 1.8 µm<br>3.2 µm                               | Calibrate by using planekator, microindicator and variation gauge as standards according to BS 817          |
| Measuring Microscope (individual Linear Axis Only) | 0 mm to 140 mm<br>140 mm to 300 mm                        | 1.7 µm<br>3.3 µm                               | Calibrate by using glass scale as standards according to JIS B7153                                          |
| Profile Projector (individual Linear Axis Only)    | 0 mm to 140 mm<br>140 mm to 300 mm                        | 1.7 µm<br>3.3 µm                               | Calibrate by using glass scale as standards according to JIS B7184                                          |

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