# NSIC – TECHNICAL SERVICES CENTRE

NATIONAL SMALL INDUSTRIES CORPORATION LIMITED

(A Government of India Enterprise)

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## Standard Room

NSIC – Technical Services Center at Rajkot, Gujarat offering the following Calibration facilities to industry through Standard Room

**Note:Standard Room is NABL Accredited in the Scope of "Linear Measurement"**

| Sl. no. | Parameter/ measured quantity/ Device Under Calibration * | Range | Calibration and Measurement Capability (±) µm | Remarks/ Standard equipment & method used |
|---|---|---|---|---|
| 1 | Caliper (Vernier / Dial / Digital)<br><br>L.C – 0.020 mm<br><br>L.C - 0.050 mm<br><br>Only for External Jaw | <br><br>Upto 300 mm<br><br>Upto 300 mm | <br><br>18.85<br><br>32.48 | Using Gauge Blocks By Comparison Method as per IS 3651 |
| 2 | Height Gauge<br>(Vernier / Dial / Digital)<br>L.C. 0.020mm | Upto 300 mm | 18.89 | Using Gauge Blocks By Comparison Method as per IS 2921 |
| 3 | Depth Gauge<br>(Vernier / Dial / Digital)<br>L.C. 0.020mm | Upto 300 mm | 18.88 | Using Gauge Blocks By Comparison Method as per IS 4213 |
| 4 | External Micrometer<br>L.C. 0.001 mm<br>L.C. 0.010mm | <br>Upto 100 mm<br>100 mm to 150mm | <br>3.23<br>6.59 | Using Gauge Blocks By Comparison Method as per IS 2967 |
| 5 | Dial Gauge<br>(Plunger) | | | Using Dial Calibration Tester by |

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|---|---|---|---|---|
| | L.C. 0.010mm<br>L.C. 0.001/0.002 mm | Upto 25 mm<br>Upto 5mm | 1.70<br>3.39 | comparison method |
| 6 | Bore Gauge<br>(For Transmission) | Upto 2mm | 2.05 | Using Dial Calibration Tester by comparison method |
| 7 | Feeler Gauge | 0.01 mm to 1mm | 11.04 | Using Digital external micrometer by comparison method |
| 8 | Plain Snap Gauge | 2 mm to 100 mm | 20.79 | Using Slip Gauge Blocks By Comparison Method as per IS 3455 |
| 9 | Thread Plug Gauge | 2mm to 100 mm | 1.39 | Using floating carriage micrometer by comparison method as per IS 2334 |
| 10 | Dial Gauge<br>(Lever type)<br>L.C. 0.010mm<br>L.C. 0.001/0.002 mm<br>L.C. 0.010 mm | 0 to 0.14 mm<br>0 to 0.18 mm<br>0 to 1.0 mm | 3.1<br>3.1<br>5.1 | Using Dial Calibration Tester by comparison method IS:11498 |
| 11 | Linear Scale | 0 to 5000mm | 635 | Using measuring tape by comparison method |