The given extended measurement uncertainty is the standard uncertainty of the measurement $\mu$ multiplied by an extension factor $k = 2$, which corresponds to a confidence level of about 95% for a normal distribution.
### SCS Directory

**Accreditation number:** SCS 0001

<table>
<thead>
<tr>
<th>Measured Quantity / Instrument or gauge</th>
<th>Measurement Range</th>
<th>Measurement Conditions</th>
<th>Best Measurement Uncertainty ±</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>- Heighth Gauges</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Plunger in the axis</td>
<td>up to 100 mm</td>
<td>Scale interval</td>
<td>0.0001 mm</td>
<td>0.5 µm + 25·10⁻⁶·L</td>
</tr>
<tr>
<td>- Plunger not in the axis</td>
<td>up to 100 mm</td>
<td>0.0001 mm</td>
<td>0.4 µm + 3·10⁻⁶·L</td>
<td>with gauge blocks</td>
</tr>
<tr>
<td>- Plunger not in the axis</td>
<td>up to 1000 mm</td>
<td>0.0001 mm</td>
<td>1.5 µm + 30·10⁻⁶·L</td>
<td>with vertical bench</td>
</tr>
<tr>
<td>- Straightness / Perpendicularity</td>
<td>up to 1000 mm</td>
<td>0.0001 mm</td>
<td>1.2 µm</td>
<td>with gauge blocks</td>
</tr>
<tr>
<td>- External micrometers</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>- analog or digital reading</td>
<td>up to 100 mm</td>
<td>Scale interval</td>
<td>0.001 mm</td>
<td>1.8 µm + 0.8·10⁻⁶·L</td>
</tr>
<tr>
<td>- analog reading</td>
<td>0 - 13 mm</td>
<td>0.001 mm</td>
<td>0.8 µm</td>
<td>with gauge blocks</td>
</tr>
<tr>
<td>- analog reading</td>
<td>13 - 100 mm</td>
<td>0.001 mm</td>
<td>0.9 µm</td>
<td>with horizontal bench</td>
</tr>
<tr>
<td>- digital reading</td>
<td>0 - 100 mm</td>
<td>0.001 mm</td>
<td>1.0 µm</td>
<td>with horizontal bench</td>
</tr>
<tr>
<td>- Dial gauges</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>- analog reading</td>
<td>0 - 100 mm</td>
<td>Scale interval</td>
<td>0.001 mm</td>
<td>1.3 µm</td>
</tr>
<tr>
<td>- Dial test indicators</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>- analog reading</td>
<td>0 - 3 mm</td>
<td>Scale interval</td>
<td>0.002 mm</td>
<td>1.1 µm</td>
</tr>
</tbody>
</table>

(1) The given extended measurement uncertainty is the standard uncertainty of the measurement multiplied by an extension factor k = 2, which corresponds to a confidence level of about 95% for a normal distribution.
### SCS Directory

<table>
<thead>
<tr>
<th>Measured Quantity / Instrument or gauge</th>
<th>Measurement Range</th>
<th>Measurement Conditions</th>
<th>Best Measurement Uncertainty ± 1)</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Calipers</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>- digital reading</td>
<td>up to 500 mm</td>
<td>Scale interval</td>
<td>14 µm + 2·10^{-6}·L</td>
<td>with gauge blocks</td>
</tr>
<tr>
<td>- analogic reading</td>
<td>up to 500 mm</td>
<td>0,010 mm</td>
<td>7 µm + 3·10^{-6}·L</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>0,020 mm</td>
<td>17 µm + 1·10^{-6}·L</td>
<td></td>
</tr>
<tr>
<td><strong>Depth calipers</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>- digital reading</td>
<td>up to 500 mm</td>
<td>Scale interval</td>
<td>15 µm + 2·10^{-6}·L</td>
<td>with gauge blocks</td>
</tr>
<tr>
<td>- analogic reading</td>
<td>up to 500 mm</td>
<td>0,010 mm</td>
<td>12 µm + 2·10^{-6}·L</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>0,020 mm</td>
<td>15 µm + 2·10^{-6}·L</td>
<td></td>
</tr>
<tr>
<td><strong>3-Point Internal micrometers</strong></td>
<td>6 - 200 mm</td>
<td>Scale interval</td>
<td>2,4 µm + 3,3·10^{-6}·L</td>
<td>with ring gauges</td>
</tr>
<tr>
<td>- analogic or digital reading</td>
<td></td>
<td>0,001 mm</td>
<td>2,4 µm + 3,3·10^{-6}·L</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>0,002 mm</td>
<td>2,4 µm + 3,3·10^{-6}·L</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>0,005 mm</td>
<td>2,4 µm + 3,3·10^{-6}·L</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>0,010 mm</td>
<td>2,4 µm + 3,3·10^{-6}·L</td>
<td></td>
</tr>
<tr>
<td><strong>Adjustment gauges / Length gauges</strong></td>
<td>25 - 275 mm</td>
<td>Central dimension</td>
<td>0,8 µm + 1,2·10^{-6}·L</td>
<td>with horizontal bench</td>
</tr>
<tr>
<td><strong>Ring gauges</strong></td>
<td>3 - 10 mm</td>
<td>Internal dimensions</td>
<td>0,5 µm + 0,9·10^{-6}·L</td>
<td>with horizontal bench</td>
</tr>
<tr>
<td></td>
<td>10 - 205 mm</td>
<td>Internal dimensions</td>
<td>0,6 µm + 1,4·10^{-6}·L</td>
<td>with horizontal bench</td>
</tr>
<tr>
<td>**Plug gauges / Cylindrical revolu-</td>
<td>0,15 - 180 mm</td>
<td>External dimensions</td>
<td>0,6 µm + 1,2·10^{-6}·L</td>
<td>with horizontal bench</td>
</tr>
<tr>
<td>tionary parts</td>
<td></td>
<td>Roundness</td>
<td>0,9 µm</td>
<td>with roundness bench</td>
</tr>
<tr>
<td><strong>Ring gauges / plug gauges</strong></td>
<td>3 - 150 mm</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

In case of contradictions in the language versions of the directories, the French version shall apply.

* / * / * / * / *

---

(1) The given extended measurement uncertainty is the standard uncertainty of the measurement multiplied by an extension factor k = 2, which corresponds to a confidence level of about 95% for a normal distribution