STANDARD GAGE is a new product line from HEXAGON METROLOGY, the leading supplier in the field of metrology world wide. The STANDARD GAGE line is positioned between the low-cost gauges, which offer an uncertain quality, and the Premium precision instruments, thus offering an excellent Price/Performance ratio.

STANDARD GAGE has endorsed the maxim «Effective and affordable, each precision tool can be used with every confidence for efficient quality control».

Among others, the STANDARD GAGE line offers traditional gauges such as calipers, micrometers, dial gauges, indicators, height and scribing gauges, gauge blocks. The range is constantly evolving, and currently includes a STANDARD GAGE machine VISUAL 250 for non-contact measurement.

STANDARD GAGE products are mainly manufactured in Asia, and further selected according to strict quality criteria from HEXAGON METROLOGY. All are checked individually by means of certified master gauges for their traceability. They are also supplied with an inspection report attesting their conformity to technical specifications.

All relevant information about STANDARD GAGE is available on www.standardgage.com For more information, please contact your local distributor or send an e-mail to standardgage@hexagonmetrology.com.
QUALITY CONTROL

All STANDARD GAGE products are checked to the high quality standards offered by HEXAGON METROLOGY.

Following a rigorous procedure in the laboratory to ensure their quality level, each product comes with an inspection report (see below).
Electronic calipers

- Stainless steel beam and slider.
- With or without thumb roller.
- Direct metric/inch conversion.
- Precision to 0.02 mm (models 150 mm) or 0.04 mm (models 200 and 300 mm).
- Resolution 0.01 mm/0.0005 in.
- Large LC display.
- Supplied in a suit case with inspection report.

<table>
<thead>
<tr>
<th>Order number</th>
<th>Measuring range</th>
<th>Measuring jaws</th>
<th>Thumb roller</th>
</tr>
</thead>
<tbody>
<tr>
<td>00534020</td>
<td>0 ÷ 150</td>
<td>0 ÷ 6</td>
<td>40</td>
</tr>
<tr>
<td>00534021</td>
<td>0 ÷ 200</td>
<td>0 ÷ 8</td>
<td>50</td>
</tr>
<tr>
<td>00534022</td>
<td>0 ÷ 300</td>
<td>0 ÷ 12</td>
<td>60</td>
</tr>
<tr>
<td>TOP LINE models</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>00534002</td>
<td>0 ÷ 150</td>
<td>0 ÷ 6</td>
<td>40</td>
</tr>
<tr>
<td>00534003</td>
<td>0 ÷ 150</td>
<td>0 ÷ 6</td>
<td>40</td>
</tr>
<tr>
<td>00534004</td>
<td>0 ÷ 200</td>
<td>0 ÷ 8</td>
<td>50</td>
</tr>
<tr>
<td>00534005</td>
<td>0 ÷ 300</td>
<td>0 ÷ 12</td>
<td>60</td>
</tr>
</tbody>
</table>
### Dial Calipers

- Shockproof design.
- Made to measure internal, external and depth dimensions besides shoulders.
- Robust construction in stainless steel.
- Silky smooth sliding within the entire range.
- Supplied in a suited case with inspection report.

<table>
<thead>
<tr>
<th>Order number</th>
<th>Measuring range</th>
<th>Reading</th>
<th>Travel per revolution</th>
<th>Length of jaws</th>
<th>Thumb roller</th>
<th>Dial face</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Metric models</strong></td>
<td>mm</td>
<td>mm</td>
<td>mm</td>
<td>mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>00514018</td>
<td>0 ÷ 150</td>
<td>0.01</td>
<td>1</td>
<td>40</td>
<td>–</td>
<td>white</td>
</tr>
<tr>
<td>00514019</td>
<td>0 ÷ 150</td>
<td>0.02</td>
<td>2</td>
<td>40</td>
<td>–</td>
<td>white</td>
</tr>
<tr>
<td>00514020</td>
<td>0 ÷ 200</td>
<td>0.02</td>
<td>2</td>
<td>50</td>
<td>✓</td>
<td>white</td>
</tr>
<tr>
<td>00514021</td>
<td>0 ÷ 300</td>
<td>0.02</td>
<td>2</td>
<td>60</td>
<td>✓</td>
<td>white</td>
</tr>
<tr>
<td><strong>Inch models</strong></td>
<td>in</td>
<td>in</td>
<td>in</td>
<td>in</td>
<td></td>
<td></td>
</tr>
<tr>
<td>00524010</td>
<td>0 ÷ 6</td>
<td>0.001</td>
<td>0.100</td>
<td>1.6</td>
<td>✓</td>
<td>black</td>
</tr>
<tr>
<td>00524011</td>
<td>0 ÷ 6</td>
<td>0.001</td>
<td>0.100</td>
<td>1.6</td>
<td>✓</td>
<td>white</td>
</tr>
<tr>
<td>00524012</td>
<td>0 ÷ 8</td>
<td>0.001</td>
<td>0.100</td>
<td>2</td>
<td>✓</td>
<td>white</td>
</tr>
<tr>
<td>00524013</td>
<td>0 ÷ 12</td>
<td>0.001</td>
<td>0.100</td>
<td>2.4</td>
<td>✓</td>
<td>white</td>
</tr>
</tbody>
</table>
**Vernier calipers**

- Finely graduated for precise measurement.
- Stainless steel.
- Satin-chrome scale and vernier backgrounds.
- Supplied in a suited case with inspection report.

<table>
<thead>
<tr>
<th>Order number</th>
<th>Measuring range</th>
<th>Vernier reading</th>
<th>Length of jaws</th>
</tr>
</thead>
<tbody>
<tr>
<td>Metric models</td>
<td>lower scale</td>
<td>upper scale</td>
<td>lower scale</td>
</tr>
<tr>
<td>00514010</td>
<td>0 ÷ 150</td>
<td>0.02</td>
<td>40</td>
</tr>
<tr>
<td>00514011</td>
<td>0 ÷ 150</td>
<td>0.05</td>
<td>40</td>
</tr>
<tr>
<td>00514012</td>
<td>0 ÷ 200</td>
<td>0.02</td>
<td>50</td>
</tr>
<tr>
<td>00514013</td>
<td>0 ÷ 200</td>
<td>0.05</td>
<td>50</td>
</tr>
<tr>
<td>00514014</td>
<td>0 ÷ 300</td>
<td>0.02</td>
<td>60</td>
</tr>
<tr>
<td>00514015</td>
<td>0 ÷ 300</td>
<td>0.05</td>
<td>60</td>
</tr>
<tr>
<td>Metric/inch models</td>
<td>lower scale</td>
<td>upper scale</td>
<td>lower scale</td>
</tr>
<tr>
<td>00534011</td>
<td>0 ÷ 100</td>
<td>0 ÷ 4</td>
<td>0.05</td>
</tr>
<tr>
<td>00534012</td>
<td>0 ÷ 150</td>
<td>0 ÷ 6</td>
<td>0.02</td>
</tr>
<tr>
<td>00534013</td>
<td>0 ÷ 150</td>
<td>0 ÷ 6</td>
<td>0.05</td>
</tr>
<tr>
<td>00534014</td>
<td>0 ÷ 200</td>
<td>0 ÷ 8</td>
<td>0.02</td>
</tr>
<tr>
<td>00534015</td>
<td>0 ÷ 300</td>
<td>0 ÷ 12</td>
<td>0.02</td>
</tr>
<tr>
<td>Inch models</td>
<td>lower scale</td>
<td>upper scale</td>
<td>lower scale</td>
</tr>
<tr>
<td>00524001</td>
<td>0 ÷ 6</td>
<td>0 ÷ 6</td>
<td>0.001</td>
</tr>
<tr>
<td>00524002</td>
<td>0 ÷ 8</td>
<td>0 ÷ 8</td>
<td>0.001</td>
</tr>
</tbody>
</table>
**Vernier Calipers**

<table>
<thead>
<tr>
<th>Order number</th>
<th>Measuring range</th>
<th>Vernier reading</th>
<th>Length of jaws</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>lower</td>
<td>upper vernier</td>
<td>lower</td>
</tr>
<tr>
<td>mm</td>
<td>in</td>
<td>mm</td>
<td>in</td>
</tr>
<tr>
<td>00514016</td>
<td>0 ÷ 150</td>
<td>0.02</td>
<td>40</td>
</tr>
<tr>
<td>00514017</td>
<td>0 ÷ 150</td>
<td>0.05</td>
<td>40</td>
</tr>
<tr>
<td>00534016</td>
<td>0 ÷ 150</td>
<td>0 ÷ 6</td>
<td>0.05</td>
</tr>
</tbody>
</table>

**Depth Foot for Calipers 150 mm**

<table>
<thead>
<tr>
<th>Order number</th>
<th>a (mm)</th>
<th>b (mm)</th>
<th>c (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>00564001</td>
<td>76.2</td>
<td>30</td>
<td>16.2</td>
</tr>
</tbody>
</table>
### Depth Calipers

- **Metric Models**
  - **Model 00514036**
    - Measuring Range: 0 ÷ 150 mm
    - Reading: 0.02 mm
    - Bridge Length: 100 mm
    - Dial Face: White
  - **Model 00514037**
    - Measuring Range: 0 ÷ 200 mm
    - Reading: 0.02 mm
    - Bridge Length: 100 mm
    - Dial Face: White
  - **Model 00514038**
    - Measuring Range: 0 ÷ 300 mm
    - Reading: 0.02 mm
    - Bridge Length: 100 mm
    - Dial Face: White
  - **Model 00514039**
    - Measuring Range: 0 ÷ 400 mm
    - Reading: 0.02 mm
    - Bridge Length: 125 mm
    - Dial Face: White
  - **Model 00514040**
    - Measuring Range: 0 ÷ 500 mm
    - Reading: 0.02 mm
    - Bridge Length: 150 mm
    - Dial Face: White

- **Inch Models**
  - **Model 00524020**
    - Measuring Range: 0 ÷ 6 in
    - Reading: 0.001 inch
    - Bridge Length: 4 inches
    - Dial Face: White
  - **Model 00524021**
    - Measuring Range: 0 ÷ 8 in
    - Reading: 0.001 inch
    - Bridge Length: 4 inches
    - Dial Face: White
  - **Model 00524022**
    - Measuring Range: 0 ÷ 12 in
    - Reading: 0.001 inch
    - Bridge Length: 4 inches
    - Dial Face: White

### Removable Bridges for Depth Calipers

- **Stainless steel.**
- **Available for all models.**

<table>
<thead>
<tr>
<th>Order number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>00564002</td>
<td>Optional bridge, 180 mm</td>
</tr>
<tr>
<td>00564003</td>
<td>Optional bridge, 260 mm</td>
</tr>
<tr>
<td>00564004</td>
<td>Optional bridge, 320 mm</td>
</tr>
</tbody>
</table>

---

**Depth Calipers with Dial**
- Solid stainless steel construction.
- Silky smooth sliding within the entire range.
- Supplied in a suited case with inspection report.

**Depth Calipers with Vernier**
- Finely graduated for precise measurement.
- Stainless steel.
- Satin-chrome scale and vernier backgrounds.
- Supplied in a suited case with inspection report.
**Electronic micrometers IP54, external**

**Order number**  | **Measuring range**  | **Resolution**  | **Precision**  | **Setting standards**
--- | --- | --- | --- | ---
**Metric models**  | **mm**  | **mm**  | **mm**  | **mm**
00134001  | 0 ÷ 25  | 0,001  | 0,01  | 0,004
00134002  | 25 ÷ 50  | 0,001  | 0,01  | 0,004 25
00134003  | 75 ÷ 100  | 0,001  | 0,01  | 0,005 75

**Inch models**  | **in**  | **in**  | **in**  | **in**
00134021  | 0 ÷ 1  | 0,00005  | 0,00001  | 0,000016
00134022  | 1 ÷ 2  | 0,00005  | 0,00001  | 0,000016 1
00134023  | 2 ÷ 3  | 0,00005  | 0,00001  | 0,000020 2
00134024  | 3 ÷ 4  | 0,00005  | 0,00001  | 0,000020 3

**Electronic micrometer sets IP54, external**

**Order number**  | **Application range**  | **Single micrometers**  | **Setting standards**
--- | --- | --- | ---
**Metric models**  | **mm**  | **mm**
00134040  | 0 ÷ 75  | 3 25, 50
00134041  | 0 ÷ 100  | 4 25, 50, 75

**Inch models**  | **in**  | **in**
00134045  | 0 ÷ 3  | 3 1, 2
00134046  | 0 ÷ 4  | 4 1, 2, 3

Full sets are supplied in a suited case with inspection report for each micrometer.

**Main features**

- Automatic shut-on/off.
- Metric/inch conversion.
- Zero setting / Origin.
- SR44 battery type.
- Setting standard for sizes over 25 mm/1 in.
- Ratchet friction thimble and locking nut.
- Delivered in a suited case with inspection report.
- Protection level to IP54.
- Absolute measurement.
- Carbide-tipped measuring faces.
- Resolution to 0,001 mm / 0.00005 in.
- Micrometer head resolution to 0,01 mm/0.0001 in.
External micrometers with digit counter

- High-resolution analogue counter for error-free readout.
- Carbide-tipped measuring faces.
- Counter resolution to 0.001 mm/0.0001 in.
- Micrometer head resolution to 0.01 mm/0.0001 in.
- Setting standard for sizes over 25 mm/1 in.
- Ratchet friction thimble and locking nut.
- Delivered in a suited case with inspection report.

<table>
<thead>
<tr>
<th>Order number</th>
<th>Measuring range</th>
<th>Resolution</th>
<th>Precision</th>
<th>Setting standards</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Counter</td>
<td>Micrometer head</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Metric models</td>
<td>mm</td>
<td>mm</td>
<td>mm</td>
<td>mm</td>
</tr>
<tr>
<td>00114101</td>
<td>0 ÷ 25</td>
<td>0.001</td>
<td>0.01</td>
<td>0.004</td>
</tr>
<tr>
<td>00114102</td>
<td>25 ÷ 50</td>
<td>0.001</td>
<td>0.01</td>
<td>0.004</td>
</tr>
<tr>
<td>00114103</td>
<td>50 ÷ 75</td>
<td>0.001</td>
<td>0.01</td>
<td>0.005</td>
</tr>
<tr>
<td>00114104</td>
<td>75 ÷ 100</td>
<td>0.001</td>
<td>0.01</td>
<td>0.005</td>
</tr>
<tr>
<td>Inch models</td>
<td>in</td>
<td>in</td>
<td>in</td>
<td>in</td>
</tr>
<tr>
<td>00124024</td>
<td>0 ÷ 1</td>
<td>0.00001</td>
<td>0.0001</td>
<td>0.00016</td>
</tr>
<tr>
<td>00124025</td>
<td>1 ÷ 2</td>
<td>0.00001</td>
<td>0.0001</td>
<td>0.00016</td>
</tr>
<tr>
<td>00124026</td>
<td>2 ÷ 3</td>
<td>0.00001</td>
<td>0.0001</td>
<td>0.00020</td>
</tr>
<tr>
<td>00124027</td>
<td>3 ÷ 4</td>
<td>0.00001</td>
<td>0.0001</td>
<td>0.00020</td>
</tr>
</tbody>
</table>

Sets of external micrometers with digit counter

<table>
<thead>
<tr>
<th>Order number</th>
<th>Application range</th>
<th>Single micrometers</th>
<th>Setting standards</th>
</tr>
</thead>
<tbody>
<tr>
<td>Metric models</td>
<td>mm</td>
<td>mm</td>
<td>mm</td>
</tr>
<tr>
<td>00114110</td>
<td>0 ÷ 75</td>
<td>3</td>
<td>25, 50</td>
</tr>
<tr>
<td>00114111</td>
<td>0 ÷ 100</td>
<td>4</td>
<td>25, 50, 75</td>
</tr>
<tr>
<td>Inch models</td>
<td>in</td>
<td>in</td>
<td>in</td>
</tr>
<tr>
<td>00124028</td>
<td>0 ÷ 3</td>
<td>3</td>
<td>1, 2</td>
</tr>
<tr>
<td>00124029</td>
<td>0 ÷ 4</td>
<td>4</td>
<td>1, 2, 3</td>
</tr>
</tbody>
</table>

Full sets are supplied in a suited case with inspection report for each micrometer.
Parallax-free micrometers, external

- Parallax-free vernier reading for high-precision measurements.
- Carbide-tipped measuring faces.
- Setting standards for sizes over 25 mm.
- Ratchet friction thimble and locking nut.
- Delivered in a suited case with inspection report.

### Sets of external micrometers with parallax-free readout

<table>
<thead>
<tr>
<th>Order number</th>
<th>Application range (mm)</th>
<th>Single micrometers</th>
<th>Setting standards (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>00114210</td>
<td>0 ÷ 75</td>
<td>3</td>
<td>25, 50</td>
</tr>
<tr>
<td>00114211</td>
<td>0 ÷ 100</td>
<td>4</td>
<td>25, 50, 75</td>
</tr>
</tbody>
</table>

Full sets are supplied in a suited case with inspection report to each micrometer.

### Measuring range Dimensions (mm)

<table>
<thead>
<tr>
<th>Metric (mm)</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>L</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 ÷ 25</td>
<td>6</td>
<td>24</td>
<td>3.0</td>
<td>32</td>
</tr>
<tr>
<td>25 ÷ 50</td>
<td>8</td>
<td>32</td>
<td>3.0</td>
<td>57</td>
</tr>
<tr>
<td>50 ÷ 75</td>
<td>8</td>
<td>45</td>
<td>3.0</td>
<td>82</td>
</tr>
<tr>
<td>75 ÷ 100</td>
<td>8</td>
<td>57</td>
<td>3.0</td>
<td>107</td>
</tr>
</tbody>
</table>
### Micrometer sets, external

<table>
<thead>
<tr>
<th>Order number</th>
<th>Measuring range</th>
<th>Single micrometers</th>
<th>Setting standards</th>
</tr>
</thead>
<tbody>
<tr>
<td>Metric models</td>
<td>mm</td>
<td>mm</td>
<td>mm</td>
</tr>
<tr>
<td>00114040</td>
<td>0 ÷ 75</td>
<td>3</td>
<td>25, 50</td>
</tr>
<tr>
<td>00114041</td>
<td>0 ÷ 100</td>
<td>4</td>
<td>25, 50, 75</td>
</tr>
<tr>
<td>Inch models</td>
<td>in</td>
<td>in</td>
<td>in</td>
</tr>
<tr>
<td>00124040</td>
<td>0 ÷ 3</td>
<td>3</td>
<td>1, 2</td>
</tr>
<tr>
<td>00124041</td>
<td>0 ÷ 4</td>
<td>4</td>
<td>1, 2, 3</td>
</tr>
</tbody>
</table>

Full sets are supplied in a suited case with inspection report for each micrometer.
### Chrome Steel Frame Micrometers

With decimal equivalents on the frame.

- Chrome steel frame with engraved black-coloured decimal equivalents.
- Carbide-tipped measuring faces, 0.25 in dia.
- Scale division to 0.0001 in.
- Setting standard for sizes over 25 mm / 1 in.
- Ratchet friction thimble and locking nut.
- Delivered in a suited case with inspection report.

#### Measuring Range

<table>
<thead>
<tr>
<th>Metric (mm)</th>
<th>Inch (in)</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>L</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 ÷ 25</td>
<td>0 ÷ 1</td>
<td>3.0</td>
<td>6</td>
<td>24</td>
<td>32</td>
</tr>
<tr>
<td>25 ÷ 50</td>
<td>1 ÷ 2</td>
<td>3.0</td>
<td>8</td>
<td>32</td>
<td>57</td>
</tr>
<tr>
<td>50 ÷ 75</td>
<td>2 ÷ 3</td>
<td>3.0</td>
<td>8</td>
<td>45</td>
<td>82</td>
</tr>
<tr>
<td>75 ÷ 100</td>
<td>3 ÷ 4</td>
<td>3.0</td>
<td>8</td>
<td>57</td>
<td>107</td>
</tr>
<tr>
<td>100 ÷ 125</td>
<td>4 ÷ 5</td>
<td>3.0</td>
<td>8</td>
<td>70</td>
<td>133</td>
</tr>
<tr>
<td>125 ÷ 150</td>
<td>5 ÷ 6</td>
<td>3.0</td>
<td>8</td>
<td>82</td>
<td>158</td>
</tr>
<tr>
<td>150 ÷ 175</td>
<td>6 ÷ 7</td>
<td>5.5</td>
<td>8</td>
<td>95</td>
<td>183</td>
</tr>
<tr>
<td>175 ÷ 200</td>
<td>7 ÷ 8</td>
<td>5.5</td>
<td>8</td>
<td>107</td>
<td>209</td>
</tr>
<tr>
<td>200 ÷ 225</td>
<td></td>
<td>5.5</td>
<td>19,4</td>
<td>130</td>
<td>234</td>
</tr>
<tr>
<td>225 ÷ 250</td>
<td></td>
<td>5.5</td>
<td>19,4</td>
<td>142</td>
<td>260</td>
</tr>
<tr>
<td>250 ÷ 275</td>
<td></td>
<td>5.5</td>
<td>19,4</td>
<td>155</td>
<td>285</td>
</tr>
<tr>
<td>275 ÷ 300</td>
<td></td>
<td>5.5</td>
<td>19,4</td>
<td>168</td>
<td>310</td>
</tr>
</tbody>
</table>

#### Order Number

<table>
<thead>
<tr>
<th>Order number</th>
<th>Measuring range</th>
<th>Precision</th>
<th>Setting Standards</th>
</tr>
</thead>
<tbody>
<tr>
<td>00124020</td>
<td>0 ÷ 1</td>
<td>0.00016</td>
<td></td>
</tr>
<tr>
<td>00124021</td>
<td>1 ÷ 2</td>
<td>0.00016</td>
<td>1</td>
</tr>
<tr>
<td>00124022</td>
<td>2 ÷ 3</td>
<td>0.00020</td>
<td>2</td>
</tr>
</tbody>
</table>
**External Micrometers with Interchangeable Anvils**

- Cast-iron frame up to 300 mm or tubular over 300 mm.
- Scale division to 0,01 mm.
- Setting standard included.
- Ratchet friction thimble and locking nut.
- Delivered in a suited case with inspection report.

<table>
<thead>
<tr>
<th>Order number</th>
<th>Measuring range (mm)</th>
<th>Precision (mm)</th>
<th>A (mm)</th>
<th>L (mm)</th>
<th>Number of anvils</th>
<th>Number of setting standards</th>
</tr>
</thead>
<tbody>
<tr>
<td>00114030</td>
<td>0 ÷ 150</td>
<td>0,006</td>
<td>82</td>
<td>158</td>
<td>6</td>
<td>5</td>
</tr>
<tr>
<td>00114031</td>
<td>150 ÷ 300</td>
<td>0,009</td>
<td>165</td>
<td>308</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>00114032</td>
<td>300 ÷ 450</td>
<td>0,011</td>
<td>250</td>
<td>459</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>00114033</td>
<td>450 ÷ 600</td>
<td>0,015</td>
<td>321</td>
<td>609</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>00114034</td>
<td>600 ÷ 750</td>
<td>0,016</td>
<td>401</td>
<td>759</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>00114035</td>
<td>750 ÷ 900</td>
<td>0,020</td>
<td>476</td>
<td>909</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>00114036</td>
<td>900 ÷ 1050</td>
<td>0,021</td>
<td>551</td>
<td>1059</td>
<td>6</td>
<td>6</td>
</tr>
</tbody>
</table>

---

**Hexagon Metrology**
Universal Micrometers, External – Non-Rotating Spindle

- Wide application range through 7 pairs of interchangeable inserts.
- Hardened steel anvil.
- Graduations to 0,01 mm.
- Ratchet friction thimble and locking nut.
- Delivered in a suited case with inspection report.

<table>
<thead>
<tr>
<th>Order number</th>
<th>Measuring range (mm)</th>
<th>Precision (mm)</th>
<th>C (mm)</th>
<th>L (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>00114055*</td>
<td>0 ÷ 25</td>
<td>0,004</td>
<td>26</td>
<td>42</td>
</tr>
<tr>
<td>00114056*</td>
<td>25 ÷ 50</td>
<td>0,004</td>
<td>38</td>
<td>67</td>
</tr>
<tr>
<td>00114057*</td>
<td>50 ÷ 75</td>
<td>0,005</td>
<td>50</td>
<td>92</td>
</tr>
<tr>
<td>00114058*</td>
<td>75 ÷ 100</td>
<td>0,005</td>
<td>62</td>
<td>118</td>
</tr>
</tbody>
</table>

*Supplied with 7 pairs of measuring inserts

Interchangeable Inserts in Pairs

<table>
<thead>
<tr>
<th>Order number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>00164001</td>
<td>Flat, 6,5 mm dia.</td>
</tr>
<tr>
<td>00164002</td>
<td>Spherical, R = 5 mm</td>
</tr>
<tr>
<td>00164003</td>
<td>Small and flat, 2 mm dia.</td>
</tr>
<tr>
<td>00164004</td>
<td>Disk-shaped, 12 mm dia.</td>
</tr>
<tr>
<td>00164005</td>
<td>Blade-type, H x L = 0,7 x 3,5 mm</td>
</tr>
<tr>
<td>00164006</td>
<td>Cone-shaped, 60°, R = 0,3 mm</td>
</tr>
<tr>
<td>00164007</td>
<td>Knife-edged, 60°, 0,3 mm</td>
</tr>
<tr>
<td>00164008</td>
<td>Full set including 7 pairs of measuring inserts</td>
</tr>
</tbody>
</table>

00114055

HEDAGGON MRTROLOGY
**Universal Micrometers, External**

- Spindle end with a carbide-tipped insert.
- Hardened steel anvil.
- Chrome-plated frame.
- Scale division to 0.01 mm.
- Ratchet friction thimble and locking nut.
- Delivered in a suited case with inspection report.

<table>
<thead>
<tr>
<th>Order number</th>
<th>Measuring range (mm)</th>
<th>Precision (mm)</th>
<th>A  (mm)</th>
<th>d  (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>00114053</td>
<td>0 ÷ 25</td>
<td>0.004</td>
<td>28.5</td>
<td>3</td>
</tr>
<tr>
<td>00114054</td>
<td>25 ÷ 50</td>
<td>0.004</td>
<td>53.5</td>
<td>5</td>
</tr>
</tbody>
</table>

**External Micrometer for Tube Wall Thickness**

- Spindle fitted with a carbide-tipped insert.
- Hardened steel anvil.
- Scale division to 0.01 mm.
- Ratchet friction thimble and locking nut.
- Delivered in a suited case with inspection report.

<table>
<thead>
<tr>
<th>Order number</th>
<th>Measuring range (mm)</th>
<th>Precision (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>00114052</td>
<td>0 ÷ 25</td>
<td>0.006</td>
</tr>
</tbody>
</table>

**Adjustable Micrometer Stands**

<table>
<thead>
<tr>
<th>Order number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>00164009</td>
<td>Micrometer stand</td>
</tr>
<tr>
<td>00164010</td>
<td>Micrometer stand – Heavy model</td>
</tr>
</tbody>
</table>

**Interchangeable Spherical Anvil**

Used for measuring tube wall thickness. Fitted with a steel ball, 5 mm/0.2 in.

<table>
<thead>
<tr>
<th>Order number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>00164011</td>
<td>Interchangeable spherical anvil</td>
</tr>
</tbody>
</table>
### Tool sets with vernier reading, metric

**Order number** 00514100  
**Description** Tool set including:  
1. Micrometer with a 0 ÷ 25 mm measuring range, reading to 0.01 mm  
2. Caliper with a 0 ÷ 150 mm measuring range, vernier reading to 0.05 mm  
3. Black coloured plastic case  
4. Inspection report provided with each tool

**Order number** 00524100  
**Description** Tool set including:  
1. Micrometer with a 0 ÷ 1 in measuring range, reading to 0.0001 in  
2. Caliper with a 0 ÷ 6 in measuring range, vernier reading to 0.001 in/1/128 in  
3. Black coloured plastic case  
4. Inspection report provided with each tool

### Tool sets with vernier reading, inch

**Order number** 00534100  
**Description** Tool set including:  
1. Electronic micrometer, 0 ÷ 25 mm measuring range, resolution to 0.001 mm  
2. Caliper with a 0 ÷ 150 mm measuring range, resolution to 0.01 mm  
3. Black coloured plastic case  
4. Inspection report provided with each tool
### Setting Standards
- For calibrating the zero position on external micrometers.
- With heat insulating handle.
- Supplied with inspection report.

---

**Order number** | **Nominal dimensions** | **Precision** | **D** | **Measuring faces**
--- | --- | --- | --- | ---
**Metric**<br>02164001 | 25 | ± 0.0012 | 7 | ![Flat measuring faces](image)
02164002 | 50 | ± 0.0012 | 7 | ![Flat measuring faces](image)
02164003 | 75 | ± 0.0015 | 7 | ![Flat measuring faces](image)
02164004 | 100 | ± 0.0020 | 8 | ![Spherical measuring faces](image)
02164005 | 125 | ± 0.0025 | 8 | ![Spherical measuring faces](image)
02164006 | 150 | ± 0.0025 | 8 | ![Spherical measuring faces](image)
02164007 | 175 | ± 0.0025 | 8 | ![Spherical measuring faces](image)
02164008 | 200 | ± 0.0035 | 8 | ![Spherical measuring faces](image)
02164009 | 225 | ± 0.0035 | 8 | ![Spherical measuring faces](image)
02164010 | 250 | ± 0.0035 | 8 | ![Spherical measuring faces](image)
02164011 | 275 | ± 0.0040 | 8 | ![Spherical measuring faces](image)
02164012 | 300 | ± 0.0040 | 16 | ![Flat measuring faces](image)
02164013 | 325 | ± 0.0045 | 16 | ![Flat measuring faces](image)
02164014 | 350 | ± 0.0045 | 16 | ![Flat measuring faces](image)
02164015 | 375 | ± 0.0045 | 16 | ![Flat measuring faces](image)
02164016 | 400 | ± 0.0045 | 16 | ![Flat measuring faces](image)
02164017 | 425 | ± 0.0050 | 16 | ![Flat measuring faces](image)
02164018 | 450 | ± 0.0050 | 16 | ![Flat measuring faces](image)
02164019 | 475 | ± 0.0050 | 16 | ![Flat measuring faces](image)
02164020 | 500 | ± 0.0050 | 16 | ![Flat measuring faces](image)
02164021 | 525 | ± 0.0055 | 16 | ![Flat measuring faces](image)
02164022 | 575 | ± 0.0055 | 16 | ![Flat measuring faces](image)
02164023 | 625 | ± 0.0055 | 16 | ![Flat measuring faces](image)
02164024 | 675 | ± 0.0065 | 16 | ![Flat measuring faces](image)
02164025 | 725 | ± 0.0065 | 16 | ![Flat measuring faces](image)
02164026 | 775 | ± 0.0065 | 16 | ![Flat measuring faces](image)
02164027 | 825 | ± 0.0075 | 16 | ![Flat measuring faces](image)
02164028 | 875 | ± 0.0075 | 16 | ![Flat measuring faces](image)
02164029 | 925 | ± 0.0075 | 16 | ![Flat measuring faces](image)
02164030 | 975 | ± 0.0075 | 16 | ![Flat measuring faces](image)
02164031 | 1050 | ± 0.0090 | 23 | ![Flat measuring faces](image)

**Order number** | **Nominal dimensions** | **Precision** | **D** | **Measuring faces**
--- | --- | --- | --- | ---
**Inch**<br>02164101 | 1 | ± 0.00008 | 0.276 | ![Flat measuring faces](image)
02164102 | 2 | ± 0.00008 | 0.276 | ![Flat measuring faces](image)
02164103 | 3 | ± 0.00008 | 0.276 | ![Flat measuring faces](image)
02164104 | 4 | ± 0.00012 | 0.315 | ![Flat measuring faces](image)
02164105 | 5 | ± 0.00016 | 0.315 | ![Flat measuring faces](image)
02164106 | 6 | ± 0.00016 | 0.315 | ![Flat measuring faces](image)
02164107 | 7 | ± 0.00020 | 0.315 | ![Flat measuring faces](image)
**Micrometer Heads with Non-Rotating Spindle**

- Spindle end with a carbide-tipped insert.
- Ratchet friction thimble and locking nut.
- Delivered in a suited case with inspection report.

<table>
<thead>
<tr>
<th>Order number</th>
<th>Measuring range (mm)</th>
<th>Reading (mm)</th>
<th>Precision (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>00114050</td>
<td>0 ÷ 25</td>
<td>0,01</td>
<td>0,003</td>
</tr>
<tr>
<td>00114051</td>
<td>0 ÷ 25</td>
<td>0,002</td>
<td>0,003</td>
</tr>
</tbody>
</table>

**Depth Micrometers with Vernier Reading**

- High-precision, interchangeable depth rods, adjusted in increments of 25 mm/1 in. No Need for resetting when changing rods.
- Rod diameter 4,5 mm.
- Satin chrome finish.
- Hardened steel base, ground and lapped.
- Resolution: 0,01 mm for metric models. 0.001 in for inch models.
- Ratchet stop and locking nut.
- Supplied in a suited case with inspection report.

<table>
<thead>
<tr>
<th>Order number</th>
<th>Measuring range (mm)</th>
<th>Reading (mm)</th>
<th>Precision (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>00214001</td>
<td>0 ÷ 100</td>
<td>0,005</td>
<td>0,003</td>
</tr>
<tr>
<td>00214002</td>
<td>0 ÷ 150</td>
<td>0,005</td>
<td>0,003</td>
</tr>
<tr>
<td>00214003</td>
<td>0 ÷ 100</td>
<td>0,005</td>
<td>0,003</td>
</tr>
<tr>
<td>00214004</td>
<td>0 ÷ 150</td>
<td>0,005</td>
<td>0,003</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Order number</th>
<th>Measuring range (mm)</th>
<th>Reading (mm)</th>
<th>Precision (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>00224001</td>
<td>0 ÷ 4</td>
<td>0,00020</td>
<td>2,5</td>
</tr>
<tr>
<td>00224002</td>
<td>0 ÷ 6</td>
<td>0,00020</td>
<td>2,5</td>
</tr>
<tr>
<td>00224003</td>
<td>0 ÷ 4</td>
<td>0,00020</td>
<td>4</td>
</tr>
<tr>
<td>00224004</td>
<td>0 ÷ 6</td>
<td>0,00020</td>
<td>4</td>
</tr>
</tbody>
</table>

**Depth Micrometers with Vernier Reading**

- High-precision, interchangeable depth rods, adjusted in increments of 25 mm/1 in. No Need for resetting when changing rods.
- Rod diameter 4,5 mm.
- Satin chrome finish.
- Hardened steel base, ground and lapped.
- Resolution: 0,01 mm for metric models. 0.001 in for inch models.
- Ratchet stop and locking nut.
- Supplied in a suited case with inspection report.
Three-point micrometers, internal

Application range
6 to 100 mm or
0.275 in to 4 in

- Measure close to the bottom of blind bores.
- Allow access to deep holes using an extension delivered in standard.
- Carbide-tipped contact points for measuring application 12 ÷ 100 mm / 0.5 ÷ 4 in.
- Supplied in a suited case along with setting ring, extension rod, inspection report.

Order number | Measuring range | Scale division | Precision Setting rings | L1 | A | Extension rods
--- | --- | --- | --- | --- | --- | ---
Metric models | mm | mm | mm | mm | mm | mm
00914001 | 6 ÷ 8 | 0.001 | 0.004 | 6 | 53.5 | 0.5 | 100
00914002 | 8 ÷ 10 | 0.001 | 0.004 | 8 | 53.5 | 0.5 | 100
00914003 | 10 ÷ 12 | 0.001 | 0.004 | 10 | 53.5 | 0.5 | 100
00914004 | 12 ÷ 16 | 0.005 | 0.004 | 16 | 80 | 0.5 | 150
00914005 | 16 ÷ 20 | 0.005 | 0.004 | 16 | 80 | 0.5 | 150
00914006 | 20 ÷ 25 | 0.005 | 0.004 | 25 | 90 | 0.5 | 150
00914007 | 25 ÷ 30 | 0.005 | 0.004 | 25 | 90 | 0.5 | 150
00914008 | 30 ÷ 40 | 0.005 | 0.004 | 40 | 97 | 0.5 | 150
00914009 | 40 ÷ 50 | 0.005 | 0.005 | 40 | 97 | 0.5 | 150
00914010 | 50 ÷ 63 | 0.005 | 0.005 | 63 | 114 | 0.5 | 150
00914011 | 62 ÷ 75 | 0.005 | 0.005 | 62 | 114 | 0.5 | 150
00914012 | 75 ÷ 88 | 0.005 | 0.005 | 87 | 114 | 0.5 | 150
00914013 | 87 ÷ 100 | 0.005 | 0.005 | 87 | 114 | 0.5 | 150
Inch models | in | in | in | in | in | in
00924001 | 0.275 ÷ 0.35 | 0.0001 | 0.00016 | 0.275 | 2.14 | 0.02 | 4
00924002 | 0.35 ÷ 0.425 | 0.0001 | 0.00016 | 0.350 | 2.14 | 0.02 | 4
00924003 | 0.425 ÷ 0.5 | 0.0001 | 0.00016 | 0.500 | 2.14 | 0.02 | 4
00924004 | 0.5 ÷ 0.65 | 0.0002 | 0.00016 | 0.65 | 3.2 | 0.02 | 6
00924005 | 0.65 ÷ 0.8 | 0.0002 | 0.00016 | 0.65 | 3.2 | 0.02 | 6
00924006 | 0.8 ÷ 1 | 0.0002 | 0.00016 | 1 | 3.6 | 0.02 | 6
00924007 | 1 ÷ 1.2 | 0.0002 | 0.00016 | 1 | 3.6 | 0.02 | 6
00924008 | 1.2 ÷ 1.6 | 0.0002 | 0.00016 | 1.6 | 3.88 | 0.02 | 6
00924009 | 1.6 ÷ 2 | 0.0002 | 0.0002 | 1.6 | 3.88 | 0.02 | 6
00924010 | 2 ÷ 2.5 | 0.0002 | 0.0002 | 2.5 | 4.56 | 0.02 | 6
00924011 | 2.5 ÷ 3 | 0.0002 | 0.0002 | 2.5 | 4.56 | 0.02 | 6
00924012 | 3 ÷ 3.5 | 0.0002 | 0.0002 | 3.5 | 4.56 | 0.02 | 6
00924013 | 3.5 ÷ 4 | 0.0002 | 0.0002 | 3.5 | 4.56 | 0.02 | 6
## Sets of three-point Micrometers, internal

<table>
<thead>
<tr>
<th>Order number</th>
<th>Measuring range</th>
<th>Single micrometers</th>
<th>Setting rings</th>
<th>Extension rods</th>
</tr>
</thead>
<tbody>
<tr>
<td>Metric sets</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>00914020</td>
<td>6 ÷ 12</td>
<td>00914001 6 ÷ 8</td>
<td>00944004 6</td>
<td>00964001 100</td>
</tr>
<tr>
<td></td>
<td></td>
<td>00914002 8 ÷ 10</td>
<td>00944005 8</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>00914003 10 ÷ 12</td>
<td>00944006 10</td>
<td></td>
</tr>
<tr>
<td>00914021</td>
<td>12 ÷ 20</td>
<td>00914004 12 ÷ 16</td>
<td>00944008 16</td>
<td>00964002 150</td>
</tr>
<tr>
<td></td>
<td></td>
<td>00914005 16 ÷ 20</td>
<td></td>
<td></td>
</tr>
<tr>
<td>00914022</td>
<td>20 ÷ 50</td>
<td>00914006 20 ÷ 25</td>
<td>00944010 25</td>
<td>00964003 150</td>
</tr>
<tr>
<td></td>
<td></td>
<td>00914007 25 ÷ 30</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>00914008 30 ÷ 40</td>
<td>00944012 40</td>
<td>00964004 150</td>
</tr>
<tr>
<td></td>
<td></td>
<td>00914009 40 ÷ 50</td>
<td></td>
<td></td>
</tr>
<tr>
<td>00914023</td>
<td>50 ÷ 100</td>
<td>00914010 50 ÷ 63</td>
<td>00944014 62</td>
<td>00964005 150</td>
</tr>
<tr>
<td></td>
<td></td>
<td>00914011 62 ÷ 75</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>00914012 75 ÷ 88</td>
<td>00944017 87</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>00914013 87 ÷ 100</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Inch sets</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>00924020</td>
<td>0.275 ÷ 0.5</td>
<td>00924001 0.275 ÷ 0.35</td>
<td>00954003 0.275</td>
<td>00964006 4</td>
</tr>
<tr>
<td></td>
<td></td>
<td>00924002 0.35 ÷ 0.425</td>
<td>00954004 0.35</td>
<td>00964006 0.5</td>
</tr>
<tr>
<td>00924021</td>
<td>0.5 ÷ 0.8</td>
<td>00924004 0.5 ÷ 0.65</td>
<td>00954007 0.65</td>
<td>00964007 6</td>
</tr>
<tr>
<td></td>
<td></td>
<td>00924005 0.65 ÷ 0.8</td>
<td></td>
<td></td>
</tr>
<tr>
<td>00924022</td>
<td>0.8 ÷ 2</td>
<td>00924006 0.8 ÷ 1</td>
<td>00954009 1</td>
<td>00964008 6</td>
</tr>
<tr>
<td></td>
<td></td>
<td>00924007 1 ÷ 1.2</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>00924008 1.2 ÷ 1.6</td>
<td>00954011 1.6</td>
<td>00964009 6</td>
</tr>
<tr>
<td></td>
<td></td>
<td>00924009 1.6 ÷ 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>00924023</td>
<td>2 ÷ 4</td>
<td>00924010 2 ÷ 2.5</td>
<td>00954013 2.5</td>
<td>00964010 6</td>
</tr>
<tr>
<td></td>
<td></td>
<td>00924011 2.5 ÷ 3</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>00924012 3 ÷ 3.5</td>
<td>00954016 3.5</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>00924013 3.5 ÷ 4</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Full sets are supplied in a suited case with inspection report for each micrometer.
**EXTENSION RODS FOR THREE-POINT MICROMETERS**

<table>
<thead>
<tr>
<th>Order number</th>
<th>Description</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>00944001</td>
<td>Extension rod for measuring range 6 ÷ 12 / 0.275 ÷ 0.500</td>
<td>100 / 4</td>
</tr>
<tr>
<td>00944002</td>
<td>Extension rod for measuring range 12 ÷ 20 / 0.500 ÷ 0.800</td>
<td>150 / 6</td>
</tr>
<tr>
<td>00944003</td>
<td>Extension rod for measuring range 20 ÷ 30 / 0.800 ÷ 1.2</td>
<td>150 / 6</td>
</tr>
<tr>
<td>00944004</td>
<td>Extension rod for measuring range 30 ÷ 50 / 1.2 ÷ 2</td>
<td>150 / 6</td>
</tr>
<tr>
<td>00944005</td>
<td>Extension rod for measuring range 50 ÷ 100 / 2 ÷ 4</td>
<td>150 / 6</td>
</tr>
</tbody>
</table>

**SETTING RINGS**

Used to set internal micrometers and three-point micrometers to zero.

- Inspection report included.

A  Uncertainty of engraved diameter

B  Cylindricity

<table>
<thead>
<tr>
<th>Order number</th>
<th>Diameter</th>
<th>A</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td>Metric</td>
<td>mm</td>
<td>mm</td>
<td>mm</td>
</tr>
<tr>
<td>00954003</td>
<td>0.275</td>
<td>± 0.00006</td>
<td>0.00004</td>
</tr>
<tr>
<td>00954004</td>
<td>0.350</td>
<td>± 0.00006</td>
<td>0.00004</td>
</tr>
<tr>
<td>00954006</td>
<td>0.500</td>
<td>± 0.00006</td>
<td>0.00004</td>
</tr>
<tr>
<td>00954007</td>
<td>0.650</td>
<td>± 0.00006</td>
<td>0.00004</td>
</tr>
<tr>
<td>00954009</td>
<td>1.000</td>
<td>± 0.00006</td>
<td>0.00004</td>
</tr>
<tr>
<td>00954011</td>
<td>1.600</td>
<td>± 0.00006</td>
<td>0.00004</td>
</tr>
<tr>
<td>00954013</td>
<td>2.500</td>
<td>± 0.00006</td>
<td>0.00006</td>
</tr>
<tr>
<td>00954016</td>
<td>3.500</td>
<td>± 0.00006</td>
<td>0.00006</td>
</tr>
</tbody>
</table>
**Scribing Gauges**

- Robust construction in stainless steel.
- Smooth move throughout the measuring range.
- Supplied in a suited case with inspection report.

### Order number | Measuring range | Scale division | Travel per revolution | Dial face | Scriber
---|---|---|---|---|---
**Metric models**
07714001 | 300 mm | 0,01 | 1,0 | white | 057137
07714002 | 600 mm | 0,02 | 2,0 | white | 057138

**Inch models**
07724001 | 12 in | 0,001 | 0,100 | white | 057137
07724002 | 24 in | 0,001 | 0,100 | white | 057138

**Scribing Gauges with Metric/Inch Vernier Reading**

- Unbeatable for accurate and reliable scribing.
- Stainless steel.
- Satin-chrome scale and vernier backgrounds.
- Supplied in a resistant case with inspection report.

### Order number | Measuring range | Vernier reading | Scribe
---|---|---|---
**lef scale** | **right scale** | **lef scale** | **right scale**
07734001 | 0 ÷ 300 mm | 0 ÷ 12 in | 0,02 mm | 0.001 in | 057139
07734002 | 0 ÷ 500 mm | 0 ÷ 20 in | 0,02 mm | 0.001 in | 057140

---

**HEXAGON METROLOGY**
**Electronic Scribing Gauges**

- Direct metric/inch conversion.
- Precision: Model 300 mm/12 in: ±0.04 mm. Model 600 mm/24 in: ±0.05 mm.
- Resolution to 0.01 mm/0.0005 in.
- Large high-contrast LC display.
- Hold function.
- ABS/INC measurement.
- RS232 data output.
- Floating zero.
- Locking screw, carbide scriber.
- Supplied in a resistant case with inspection report.

<table>
<thead>
<tr>
<th>Order number</th>
<th>Measuring range</th>
<th>Scriber</th>
</tr>
</thead>
<tbody>
<tr>
<td>07734003</td>
<td>300 mm/12 in</td>
<td>057137</td>
</tr>
<tr>
<td>07734004</td>
<td>600 mm/24 in</td>
<td>057137</td>
</tr>
</tbody>
</table>

**Universal Bevel Protractor, with Vernier Reading, 300 mm / 12 in**

- Made from stainless steel.
- Laser stamped scales, satin-chrome backgrounds.
- Parallax-free readout.
- Magnifying glass for easy reading.
- Adjustable beam to any position within the entire range.

<table>
<thead>
<tr>
<th>Order number</th>
<th>Measuring range</th>
<th>Reading</th>
<th>Scale Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>00634001</td>
<td>4 x 90°</td>
<td>5°</td>
<td>300 mm / 12 in</td>
</tr>
</tbody>
</table>
**Precision Dial Gauges**

- Full-metal bezel and case housing.
- Shank and plunger in hardened stainless steel.
- Steel ball tip with a 3,175 mm diameter.
- Adjustable tolerance pointers.
- Measuring insert with a M2.5 clamping thread.
- Shank with a 8h6 mm dia. for metric dial gauges.
- Delivered in a suited case with inspection report.

**Models with a 40 mm Dial Diameter, Reading 0.01 mm**

- With extra red tinted reverse numbering.

---

### Order number | Measuring span | Reading | Travel/Rev. | Movement | Circular scale
---|---|---|---|---|---
01414001 | 3 mm | 0.01 mm | 1 mm | 6 Jewelled | 0 ÷ 50 ÷ 100
01414002 | 5 mm | 0.01 mm | 1 mm | 6 Jewelled | 0 ÷ 50 ÷ 100

### Maximum permissible errors

<table>
<thead>
<tr>
<th>Measurement</th>
<th>3 mm</th>
<th>5 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deviation span</td>
<td>10 µm</td>
<td>12 µm</td>
</tr>
<tr>
<td>Total deviation span</td>
<td>12 µm</td>
<td>14 µm</td>
</tr>
<tr>
<td>Max. hysteresis</td>
<td>3 µm</td>
<td>3 µm</td>
</tr>
<tr>
<td>Local deviation span (0.1 mm)</td>
<td>5 µm</td>
<td>5 µm</td>
</tr>
<tr>
<td>Repeatability limit</td>
<td>3 µm</td>
<td>3 µm</td>
</tr>
</tbody>
</table>
**Models with a 58 mm dial dia., 0,01 mm**

With extra red tinted reverse numbering

Maximum permissible errors (MPE)

<table>
<thead>
<tr>
<th>Measuring spans</th>
<th>Scale division</th>
<th>Travel per revolution</th>
<th>Circular scale</th>
<th>Movement</th>
</tr>
</thead>
<tbody>
<tr>
<td>10 mm</td>
<td>0,01 mm</td>
<td>1 mm</td>
<td>0 ÷ 50 ÷ 100</td>
<td>Rubis</td>
</tr>
<tr>
<td>10 mm</td>
<td>0,01 mm</td>
<td>1 mm</td>
<td>0 ÷ 50 ÷ 100</td>
<td>Rubis – Shockproof</td>
</tr>
<tr>
<td>10 mm</td>
<td>0,01 mm</td>
<td>1 mm</td>
<td>0 ÷ 50 ÷ 100</td>
<td>Waterproof</td>
</tr>
<tr>
<td>20 mm</td>
<td>0,01 mm</td>
<td>1 mm</td>
<td>0 ÷ 50 ÷ 100</td>
<td>Waterproof</td>
</tr>
<tr>
<td>30 mm</td>
<td>0,01 mm</td>
<td>1 mm</td>
<td>0 ÷ 50 ÷ 100</td>
<td>Waterproof</td>
</tr>
</tbody>
</table>

Waterproof model without tolerance pointers.

**Models with a 58 mm dial dia., 0,002 or 0,001 mm**

Maximum permissible errors (MPE)

<table>
<thead>
<tr>
<th>Measuring spans</th>
<th>1 mm</th>
<th>3 mm</th>
<th>5 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Scale division</td>
<td>0,001 mm</td>
<td>0,002 mm</td>
<td>0,001 mm</td>
</tr>
<tr>
<td>Deviation span of indication</td>
<td>5 µm</td>
<td>9 µm</td>
<td>8 µm</td>
</tr>
<tr>
<td>Total deviation span of indication</td>
<td>6 µm</td>
<td>10 µm</td>
<td>9 µm</td>
</tr>
<tr>
<td>Hystérésis max.</td>
<td>3 µm</td>
<td>4 µm</td>
<td>4 µm</td>
</tr>
<tr>
<td>Deviation span of indication (local deviation span of 0,1 mm)</td>
<td>3 µm</td>
<td>7 µm</td>
<td>6 µm</td>
</tr>
<tr>
<td>Repeatability limit</td>
<td>0,3 µm</td>
<td>1 µm</td>
<td>1 µm</td>
</tr>
</tbody>
</table>
AGD2 DIAL INDICATORS

- Measuring travel 1 in.
- Continuous reading 0 ÷ 100 in.
- Dial diameters from 2 up to 1/4 in.
- Revolution counter.
- Tolerance pointers.
- Central lug back.
- Carbide contact point.
- AGD2 clamping shank with diameter to 0.375 in.
- Supplied in a case made of industrial plastic with inspection report.

<table>
<thead>
<tr>
<th>Order number</th>
<th>Measuring span</th>
<th>Scale division</th>
<th>Travel per revolution</th>
<th>Dial face</th>
<th>Movement</th>
</tr>
</thead>
<tbody>
<tr>
<td>01424010</td>
<td>1 in</td>
<td>0.001 in</td>
<td>0.100 in</td>
<td>white</td>
<td></td>
</tr>
<tr>
<td>01424011</td>
<td>1 in</td>
<td>0.001 in</td>
<td>0.100 in</td>
<td>black</td>
<td></td>
</tr>
<tr>
<td>01424012</td>
<td>0.5 in</td>
<td>0.0005 in</td>
<td>0.05 in</td>
<td>white</td>
<td>Ruby — Shockproof</td>
</tr>
</tbody>
</table>

Maximum permissible errors (MPE)

<table>
<thead>
<tr>
<th>Scale division 0.001 / 0.0005</th>
<th>Measuring span</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0.5 in</td>
</tr>
<tr>
<td>Repeatability</td>
<td>0.20 scale division</td>
</tr>
<tr>
<td>Hysteresis</td>
<td>0.33 scale division</td>
</tr>
<tr>
<td>Precision</td>
<td>1.00 scale division</td>
</tr>
<tr>
<td>First revolution up to 2,5</td>
<td>1.00 scale division</td>
</tr>
<tr>
<td>&gt; 2,5 thru 10 revolutions</td>
<td>3.00 scale division</td>
</tr>
</tbody>
</table>

Standard accessories

<table>
<thead>
<tr>
<th>Order number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>01464001</td>
<td>Central lug back for indicators with a 40 mm dial diameter</td>
</tr>
<tr>
<td>01464002</td>
<td>Central lug back for indicators with a 58 mm dial diameter</td>
</tr>
</tbody>
</table>
**Electronic Comparators**

- 8 mm diameter shank.
- LC display, 10.5 mm digit height.
- PRESET function.
- Metric/inch conversion.
- ON/OFF function
- ABS/DIFF modes.
- CR2032 battery type.
- Supplied in a case made of industrial plastic with inspection report.

<table>
<thead>
<tr>
<th>Order number</th>
<th>Measuring span mm</th>
<th>Measuring span in</th>
<th>Scale division mm</th>
<th>Scale division in</th>
<th>MPE µm</th>
<th>Repeatability µm</th>
</tr>
</thead>
<tbody>
<tr>
<td>01434001</td>
<td>12.5</td>
<td>0.5</td>
<td>0.01</td>
<td>0.0005</td>
<td>20</td>
<td>10</td>
</tr>
<tr>
<td>01434002</td>
<td>25</td>
<td>1</td>
<td>0.01</td>
<td>0.0005</td>
<td>20</td>
<td>10</td>
</tr>
</tbody>
</table>

**Order number**

**Measuring span**

<table>
<thead>
<tr>
<th>Measuring span mm</th>
<th>Measuring span in</th>
<th>Scale division mm</th>
<th>Scale division in</th>
<th>MPE µm</th>
<th>Repeatability µm</th>
</tr>
</thead>
<tbody>
<tr>
<td>01434001</td>
<td>12.5</td>
<td>0.5</td>
<td>0.01</td>
<td>0.0005</td>
<td>20</td>
</tr>
<tr>
<td>01434002</td>
<td>25</td>
<td>1</td>
<td>0.01</td>
<td>0.0005</td>
<td>20</td>
</tr>
</tbody>
</table>
**Stands for dial gauges and comparators**

- Dovetail clamp.
- 8 mm diameter fixing bore.
- Adherence on a flat surface ≈588 N.

<table>
<thead>
<tr>
<th>Order number</th>
<th>Description</th>
<th>Arm length (mm)</th>
<th>Fixing bore (mm)</th>
<th>Magnetic force (N)</th>
<th>Weight (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>01664001</td>
<td>Magnetic stand</td>
<td>176 x 165</td>
<td>Ø 8  9,6</td>
<td>588</td>
<td>1,5</td>
</tr>
<tr>
<td>01664002</td>
<td>Articulated arm</td>
<td>280 max.</td>
<td>Ø 8</td>
<td>588</td>
<td>1,5</td>
</tr>
<tr>
<td>01664003</td>
<td>Flexible arm</td>
<td>350 max.</td>
<td>Ø 8  9,6</td>
<td>588</td>
<td>1,5</td>
</tr>
</tbody>
</table>
**Lever-type dial indicators, metric**

- Small and large dial diameters.
- Resolution to 0.01 or 0.002 mm.
- Ruby or carbide contact point.
- Supplied in a case made of industrial plastic with inspection report.

### Maximum permissible errors (MPE)

<table>
<thead>
<tr>
<th>Scale division</th>
<th>0.01 mm</th>
<th>0.002 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deviation span of indication</td>
<td>10 μm</td>
<td>2 μm</td>
</tr>
<tr>
<td>Total deviation span of indication</td>
<td>13 μm</td>
<td>3.5 μm</td>
</tr>
<tr>
<td>Hysteresis max.</td>
<td>3 μm</td>
<td>2 μm</td>
</tr>
<tr>
<td>Deviation span of indication (local measuring span 0.1 mm)</td>
<td>5 μm</td>
<td>1 μm</td>
</tr>
<tr>
<td>Repeatability limit</td>
<td>3 μm</td>
<td>1 μm</td>
</tr>
</tbody>
</table>

### Metric models

<table>
<thead>
<tr>
<th>Order number</th>
<th>Measuring span</th>
<th>Scale division</th>
<th>Diameter</th>
<th>Dial face</th>
<th>Contact points</th>
<th>Contact points</th>
</tr>
</thead>
<tbody>
<tr>
<td>01814010</td>
<td>0.8 mm</td>
<td>0.01 mm</td>
<td>32 mm</td>
<td>white</td>
<td>2 mm</td>
<td>Carbide</td>
</tr>
<tr>
<td>01814011</td>
<td>0.8 mm</td>
<td>0.01 mm</td>
<td>38 mm</td>
<td>white</td>
<td>2 mm</td>
<td>Carbide</td>
</tr>
<tr>
<td>01814012</td>
<td>0.8 mm</td>
<td>0.01 mm</td>
<td>32 mm</td>
<td>white</td>
<td>2 mm</td>
<td>Ruby</td>
</tr>
<tr>
<td>01814013</td>
<td>0.8 mm</td>
<td>0.01 mm</td>
<td>38 mm</td>
<td>white</td>
<td>2 mm</td>
<td>Ruby</td>
</tr>
<tr>
<td>01814020</td>
<td>0.2 mm</td>
<td>0.002 mm</td>
<td>32 mm</td>
<td>white</td>
<td>2 mm</td>
<td>Carbide</td>
</tr>
<tr>
<td>01814021</td>
<td>0.2 mm</td>
<td>0.002 mm</td>
<td>40 mm</td>
<td>white</td>
<td>2 mm</td>
<td>Carbide</td>
</tr>
<tr>
<td>01814022</td>
<td>0.2 mm</td>
<td>0.002 mm</td>
<td>32 mm</td>
<td>white</td>
<td>2 mm</td>
<td>Ruby</td>
</tr>
<tr>
<td>01814023</td>
<td>0.2 mm</td>
<td>0.002 mm</td>
<td>40 mm</td>
<td>white</td>
<td>2 mm</td>
<td>Ruby</td>
</tr>
</tbody>
</table>
LEVER-TYPE DIAL INDICATORS, INCH

- Small and large dial diameters.
- Resolution to 0.001, 0.0001 or 0.0005 in.
- Carbide contact point.
- Supplied in a case made of industrial plastic with inspection report.

Maximum permissible errors (MPE)

<table>
<thead>
<tr>
<th>Scale division</th>
<th>Deviation span of indication</th>
<th>Total deviation span of indication</th>
<th>Hysteresis max.</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.001 / 0.005 in</td>
<td>0.4 μin</td>
<td>0.12 μin</td>
<td>0.2 μin</td>
</tr>
<tr>
<td>0.0001 in</td>
<td>0.08 μin</td>
<td>0.08 μin</td>
<td>0.04 μin</td>
</tr>
</tbody>
</table>

| Deviation span of indication (local measuring span 0.1 mm) | 0.12 μin | 0.08 μin |
| Repeatability limit | 0.12 μin | 0.08 μin |

Inch models

<table>
<thead>
<tr>
<th>Order number</th>
<th>Measuring span</th>
<th>Scale division</th>
<th>Diameter</th>
<th>Dial face</th>
<th>Contact points</th>
</tr>
</thead>
<tbody>
<tr>
<td>01824001</td>
<td>0.03 in</td>
<td>0.001 in</td>
<td>1.26 in</td>
<td>white</td>
<td>0.08 in carbide</td>
</tr>
<tr>
<td>01824002</td>
<td>0.03 in</td>
<td>0.001 in</td>
<td>1.26 in</td>
<td>black</td>
<td>0.08 in carbide</td>
</tr>
<tr>
<td>01824003</td>
<td>0.03 in</td>
<td>0.0005 in</td>
<td>1.26 in</td>
<td>white</td>
<td>0.08 in carbide</td>
</tr>
<tr>
<td>01824004</td>
<td>0.03 in</td>
<td>0.0005 in</td>
<td>1.26 in</td>
<td>black</td>
<td>0.08 in carbide</td>
</tr>
<tr>
<td>01824005</td>
<td>0.03 in</td>
<td>0.0005 in</td>
<td>1.54 in</td>
<td>white</td>
<td>0.08 in carbide</td>
</tr>
<tr>
<td>01824006</td>
<td>0.03 in</td>
<td>0.0005 in</td>
<td>1.54 in</td>
<td>black</td>
<td>0.08 in carbide</td>
</tr>
<tr>
<td>01824011</td>
<td>0.008 in</td>
<td>0.0001 in</td>
<td>1.26 in</td>
<td>white</td>
<td>0.08 in carbide</td>
</tr>
<tr>
<td>01824012</td>
<td>0.008 in</td>
<td>0.0001 in</td>
<td>1.26 in</td>
<td>black</td>
<td>0.08 in carbide</td>
</tr>
<tr>
<td>01824013</td>
<td>0.008 in</td>
<td>0.0001 in</td>
<td>1.54 in</td>
<td>white</td>
<td>0.08 in carbide</td>
</tr>
<tr>
<td>01824014</td>
<td>0.008 in</td>
<td>0.0001 in</td>
<td>1.54 in</td>
<td>black</td>
<td>0.08 in carbide</td>
</tr>
</tbody>
</table>
Sets of steel gauge blocks, metric

- M103, M87, M47, M32 gauge block sets.
- Accuracy grades 1 and 2.
- Complying with ISO 3650.
- Provided in a wooden case with inspection report.

<table>
<thead>
<tr>
<th>Order number</th>
<th>Description</th>
<th>Grades</th>
<th>Weight (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>06511101*</td>
<td>M103 block set</td>
<td>1</td>
<td>2.2</td>
</tr>
<tr>
<td>06511102*</td>
<td>M87 block set</td>
<td>1</td>
<td>1.8</td>
</tr>
<tr>
<td>06511103*</td>
<td>M47 block set</td>
<td>1</td>
<td>1.5</td>
</tr>
<tr>
<td>06511104*</td>
<td>M32 block set</td>
<td>1</td>
<td>1.3</td>
</tr>
<tr>
<td>06511201*</td>
<td>M103 block set</td>
<td>2</td>
<td>2.2</td>
</tr>
<tr>
<td>06511202*</td>
<td>M87 block set</td>
<td>2</td>
<td>1.8</td>
</tr>
<tr>
<td>06511203*</td>
<td>M47 block set</td>
<td>2</td>
<td>1.5</td>
</tr>
<tr>
<td>06511204*</td>
<td>M32 block set</td>
<td>2</td>
<td>1.3</td>
</tr>
</tbody>
</table>

*Available from April 2011
## Set compositions

### 103-piece set

<table>
<thead>
<tr>
<th>Dimensions (mm)</th>
<th>Steps (mm)</th>
<th>Pieces</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.005</td>
<td>–</td>
<td>1</td>
</tr>
<tr>
<td>1.0 ÷ 1.49</td>
<td>0.01</td>
<td>49</td>
</tr>
<tr>
<td>0.5 ÷ 24.5</td>
<td>0.5</td>
<td>49</td>
</tr>
<tr>
<td>25 ÷ 100</td>
<td>25</td>
<td>4</td>
</tr>
</tbody>
</table>

### 87-piece set

<table>
<thead>
<tr>
<th>Dimensions (mm)</th>
<th>Steps (mm)</th>
<th>Pieces</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.001 ÷ 1.009</td>
<td>0.001</td>
<td>9</td>
</tr>
<tr>
<td>1.01 ÷ 1.49</td>
<td>0.01</td>
<td>49</td>
</tr>
<tr>
<td>0.5 ÷ 9.5</td>
<td>0.5</td>
<td>19</td>
</tr>
<tr>
<td>10 ÷ 100</td>
<td>10</td>
<td>10</td>
</tr>
</tbody>
</table>

### 47-piece set

<table>
<thead>
<tr>
<th>Dimensions (mm)</th>
<th>Steps (mm)</th>
<th>Pieces</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.005</td>
<td>–</td>
<td>1</td>
</tr>
<tr>
<td>1.01 ÷ 1.19</td>
<td>0.01</td>
<td>19</td>
</tr>
<tr>
<td>1.2 ÷ 1.9</td>
<td>0.5</td>
<td>8</td>
</tr>
<tr>
<td>1 ÷ 9</td>
<td>1</td>
<td>9</td>
</tr>
<tr>
<td>10 ÷ 100</td>
<td>10</td>
<td>10</td>
</tr>
</tbody>
</table>

### 32-piece set

<table>
<thead>
<tr>
<th>Dimensions (mm)</th>
<th>Steps (mm)</th>
<th>Pieces</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.005</td>
<td>–</td>
<td>1</td>
</tr>
<tr>
<td>1.01 ÷ 1.09</td>
<td>0.01</td>
<td>9</td>
</tr>
<tr>
<td>1.1 ÷ 1.9</td>
<td>0.1</td>
<td>9</td>
</tr>
<tr>
<td>1 ÷ 9</td>
<td>1</td>
<td>9</td>
</tr>
<tr>
<td>10, 20, 30, 50</td>
<td>–</td>
<td>4</td>
</tr>
</tbody>
</table>

### 103-piece set

<table>
<thead>
<tr>
<th>Nominal length</th>
<th>Grade 1 Limit deviation at any point against the nominal length</th>
<th>Tolerance for the variation in length</th>
<th>Grade 2 Limit deviation at any point against the nominal length</th>
<th>Tolerance for the variation in length</th>
</tr>
</thead>
<tbody>
<tr>
<td>ln mm</td>
<td>± tv µm</td>
<td>tr µm</td>
<td>± tv µm</td>
<td>tr µm</td>
</tr>
<tr>
<td>0.5 ≤ ln ≤ 10</td>
<td>0.2</td>
<td>0.16</td>
<td>0.45</td>
<td>0.3</td>
</tr>
<tr>
<td>10 ≤ ln ≤ 25</td>
<td>0.3</td>
<td>0.16</td>
<td>0.6</td>
<td>0.3</td>
</tr>
<tr>
<td>25 ≤ ln ≤ 50</td>
<td>0.4</td>
<td>0.18</td>
<td>0.8</td>
<td>0.3</td>
</tr>
<tr>
<td>50 ≤ ln ≤ 75</td>
<td>0.5</td>
<td>0.18</td>
<td>1</td>
<td>0.35</td>
</tr>
<tr>
<td>75 ≤ ln ≤ 100</td>
<td>0.6</td>
<td>0.2</td>
<td>1.2</td>
<td>0.35</td>
</tr>
</tbody>
</table>

Nominal length ln; variation v; limit deviations tv at any point against the nominal length.
Main features
The VISUAL Vision Machine 250 is the answer to a growing demand of industry for workpieces that could not be measured using common tactile precision tools.
The VISUAL 250 is compact but with no compromise on its metrological performances. This manual machine meets most of the market needs for 2D-measurement.
Featuring a solid mechanical construction, the machine can equally be used in the workshop as in the inspection laboratory.
Equipped with VISUAL GAGE – the software that requires less than a half-day training – the VISUAL 250 is a perfect multi-tasking and multi-users inspection means.

- Exceptional Quality/Price ratio
  The machine has been specially marketed to offer an alternative option in the field of vision at highly optimized costs, whilst guaranteeing optimum accuracy besides a high-quality level.

- X/Y coordinate tables
  Both X and Y coordinate tables have a built-in, hand-operated release system, speeding up any displacement needed to reach the measuring area.

- Manual zoom
  The delivery scope includes an indexable manual zoom with optical magnifications from 0,7x up to 4,5x (6,5:1).

- Light illumination
  The VISUAL 250 is fitted with two illuminations through LEDs – i.e. a ringlight for episcopic illumination (top) along with a diascopic illumination (bottom) for part profile projection. Both are controlled over the software.

- Z-axis
  This coordinate axis is moved from the front of the machine, directly.

- Laser pointer
  A laser pointer is included to make tracing the measurement zone on the part being inspected easier.
Clamp system
Your VISUAL 250 can be used in conjunction with VISUALFIX. This modular system includes a number of clamping elements available in either of both kits as below:

- VISUALFIX kit, including 35 elements (06860317)
- STANDARD VISUALFIX kit, including 51 elements (06860316)

Software
VISUAL GAGE allows quick and accurate measurement of nearly all geometrical part features. This software can equally be run by a trained operator or a metrologist. It provides the user-friendliness and flexibility needed to create the measurement reports. Training takes just half a day. A clearly arranged User’s interface makes this vision machine most easy to use.

Technical data

<table>
<thead>
<tr>
<th>Order number</th>
<th>06834700</th>
</tr>
</thead>
<tbody>
<tr>
<td>Releasable X- and Y-axis</td>
<td>✔</td>
</tr>
<tr>
<td>Measuring range (X/Y)</td>
<td>250 x 150 mm</td>
</tr>
<tr>
<td>Z-Displacement</td>
<td>200 mm</td>
</tr>
<tr>
<td>Maximum workpiece weight</td>
<td>10 kg</td>
</tr>
<tr>
<td>Accuracy</td>
<td></td>
</tr>
<tr>
<td>MPE_{xy} (E_{x}, E_{y})</td>
<td>3.9 µm + L/150° (L in mm)</td>
</tr>
<tr>
<td>MPE_{xyz} (E_{x}, E_{y})</td>
<td>4.9 µm + L/150° (L in mm)</td>
</tr>
</tbody>
</table>

*m≤5 kg, uniformly distributed

Camera and Optics
- CCD colour camera, 752 x 582 pixels ✔
- Indexable zoom (0.7x up to 4.5x) ✔
- Diascopic illumination, green LED ✔
- Ringlight with a white LED ✔
- Laser pointer ✔

Additional data
- Calibration | at 10 mm |
- Weight (w/o monitor and computer) | 180 kg |
- Power supply | 115 to 230 Vac ±10%, 50 to 60 Hz |
- Overall dimensions of the machine alone (LxHxD) | 716 x 1015 x 753 mm |
- Reference temperature | 20°C ±1°C |
- Operating temperature range | 10°C to 40°C |
- Relative humidity | < 80%, non-condensing |
- VISUAL GAGE application software | ✔ |
- Provided with monitor and computer | ✔ |