**Starrett 5004 Depth Gage**

User Instructions

5004 Series Depth Gages are ideal for large parts. Three sizes are offered with the largest able to measure depths to 24”/600mm. Three movable bridge attachments, the largest with a capacity of 24”/600mm, provide additional large part measurement capability.

These depth gages are made from hardened stainless steel and are coolant resistant.

Features & Specifications

- Two buttons, Mode and Set, control a range of functions: On/Off, absolute/relative display, Inch/Metric display, Preset and Hold
- RS232 port allows data transmission through a DataSure® Wireless Data Collection System using a 1500-3A-1N End node. Will also transmit through a connected cable.
- Uses one CR2032 lithium battery. Over one year life with normal use.
- Includes wooden case
- Includes offset attachment PT06136
- Resolution: 0.0005”/0.01mm
- Accuracy:
  - 0-16”/400mm (±0.0015”/0.03mm)
  - 0-20”/500mm (±0.0015”/0.03mm)
  - 0-24”/600mm (±0.0015”/0.03mm)
  - 0-32”/800mm (±0.002”/0.04mm)

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### 5004 Series Depth Gage Products

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>EDP</th>
<th>Description</th>
<th>Range/Size</th>
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</thead>
<tbody>
<tr>
<td>5004BZ-16/400</td>
<td>14584</td>
<td>Electronic Depth Gage</td>
<td>0-16&quot;, 0-400mm</td>
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<tr>
<td>5004BZ-20/500</td>
<td>14585</td>
<td>Electronic Depth Gage</td>
<td>0-20&quot;, 0-500mm</td>
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<tr>
<td>5004BZ-24/600</td>
<td>14586</td>
<td>Electronic Depth Gage</td>
<td>0-24&quot;, 0-600mm</td>
</tr>
<tr>
<td>PT06133</td>
<td>12825</td>
<td>Movable Bridge Attach.</td>
<td>16”/400mm</td>
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<tr>
<td>PT06134</td>
<td>12826</td>
<td>Movable Bridge Attach.</td>
<td>20”/500mm</td>
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<tr>
<td>PT06135</td>
<td>12827</td>
<td>Movable Bridge Attach.</td>
<td>24”/600mm</td>
</tr>
<tr>
<td>PT06136</td>
<td>12828</td>
<td>Offset Attachment</td>
<td>1.024”/26mm overall length</td>
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### Operating Instructions

#### On/Off
A quick press of either the MODE or SET button will activate the display. To turn the display off, press and hold the SET button for 2 seconds.

#### Mode Button
This button toggles the display through the selection of a variety of functions.

#### SET Mode
While in this mode a quick press of the SET button will zero the display or set it to the datum value established in the preset mode.

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### Battery Installation
The caliper comes with one CR2032 3V battery installed. To change or install a new battery refer to Figs. 1 & 2.

First, remove the output cover (1) [See Fig. 1]. Then, remove the battery cover (2) by sliding it in the direction of the arrow.

Next, lift the clear battery protector (3), old battery (4) and battery gasket (5) out of the compartment.

To install a new battery, first make sure the battery gasket is positioned correctly in the battery compartment [See Fig. 2]. (Note: It is important that the gasket is oriented correctly with the rubber protrusion between the two holes facing downward.) Next, place a new CR2032 battery plus (+) side up into the battery compartment. Put the battery protector back into position on top of the battery gasket, again making sure the rubber gasket is correctly positioned in the cavity. While lightly pressing down on the battery protector, slide the battery cover back into position over the protector. Finally, insert the output cover into the output slot located on the top of the cover.

The LCD now displays the two units - mm and in. Select the desired unit by pressing either the MODE button for metric mode or the SET button for inch mode.

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### REF Mode
While in this mode a quick press of the SET button will toggle the display between absolute (ABS) and relative (REL).

A quick press of the MODE button will exit this mode and display either ABS or REL on the bottom right corner of the LCD depending on which one was chosen.

### UNIT Mode
The gage can be changed from inch mode to millimeter mode, or the reverse, with one quick push of the SET button.

### PRE Mode
A preset number can be entered into the display by first pressing the SET button. A negative (-) sign will flash to the left of the digits. To select the negative sign press the SET button.

If a positive value is desired press the MODE button and the negative sign will disappear (no sign signifies a positive value) and the left-most digit will begin to flash. To increment the number press the SET button until the desired number is achieved. Then, use the MODE button to move the flashing character to the next digit to the right. Continue this procedure until the last digit has been selected.

### Hold Feature
While in the ABS mode a value can be held (frozen) in the display by pressing the SET button. A quick press of the SET button will reactivate the display with no loss of position.

### Output
This tool comes with an Opto-RS232 output port that allows data transmission to a variety of peripherals by connecting to a Starrett DataSure® Wireless Data Collection System using a Cat.1500-3A-1N end node. Connection thru a traditional wire is also possible.

### Print Command
The print command is controlled by the mm/inch button.