



5004 Series Depth Gage Products

Cat. No.	EDP	Description	Range/Size
5004BZ-16/400	14584	Electronic Depth Gage	0-16", 0-400mm
5004BZ-20/500	14585	Electronic Depth Gage	0-20", 0-500mm
5004BZ-24/600	14586	Electronic Depth Gage	0-24", 0-600mm
PT06133	12825	Movable Bridge Attach	16"/400mm
PT06134	12826	Movable Bridge Attach.	20"/500mm
PT06135	12827	Movable Bridge Attach.	24"/600mm
PT06136	12828	Offset Attachment	1.024"/26mm overall length

Starrett®

Starrett 5004 Depth Gage

User Instructions

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 have an IP67 level of protection against coolant, water, dust and dirt

Features & Specifications

- Two buttons, Mode and Set, control a range of functions: On/Off, Relative display, Inch/Metric display, and Preset.
- RS232 port allows data transmission thru 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)



Starrett®

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 battery cover (1), using a coin or flat head screw driver. Turn the cover slightly counter clockwise as seen in Fig. 1. Lift the battery cover from the tool.

To change the battery as seen in Fig.2, the battery (2) may be caught by the battery cover. Separate the battery from the cover, and continue next.

To install a new battery place a new CR2032 battery plus (+) side up into the battery compartment. Next, put the battery cover back into position on top of the battery in the cavity, with the slot in the cover at the same angle as when you removed the cover. While lightly pressing down on the battery cover, turn the cover clockwise so that the slot in the cover lines up with the small notch in the right side of the battery compartment (3).

The tool will display “Set” and then the main measurement display.



Figure 1



Figure 2

Operating Instructions

On/Off

A quick press of either the MODE or SET button will activate the display.

To turn the display to Standby/Sleep, press and hold the SET button for 4 seconds.

-“Set” will be displayed and when it disappears remove your finger from the button

To turn the display completely Off, press and hold the SET button for 6 seconds.

-“Set” will be displayed and when it disappears continue to hold your finger on the button until you see “Off” displayed then remove your finger from the button.

Note: in Standby/ Sleep mode, the tool will hold its position and reading. The tool will turn on by any movement of the slide as well as by pressing one of the buttons.

Mode Button

This button toggles the display through the variety of functions.

SET Mode

Press the **MODE** button once and “Set” will be displayed on the tool. A quick press of the **SET** button will display the preset value.

To zero the display, hold the **SET** button for two seconds then release.

UNIT Mode

Press the **MODE** button twice and “Unit” will be displayed on the tool. To change the display from inch mode to millimeter mode, or the reverse, push the **SET** button and you will be able to see the units change on the display. To complete the change, press the **MODE** button twice to return to the main display.



PRE Mode

Press the **MODE** button three times and “Pre” will be displayed on the tool.

Next, press the **SET** button and the display will change, a preset number can now be entered.

A positive (+) sign will flash to the left of the digits. The flashing digit lets you know which digit you will be able to change.

To select the negative sign press the **SET** Button once.

Use the **MODE** button to move the flashing character to the next digit to the right.

Use the **SET** button to increment the number until the desired number is achieved.

Then, continue to press the **MODE** button until the last digit has been selected and the new preset number is shown on the main display.

Output

This tool comes with an RS232 output port that allows data transmission to a variety of data collection devices. Starrett's DataSure® Wireless Data Collection System uses a Cat.1500-3A-18N end node. The Starrett Gage Mux (a wired data collector) connects via cable part numbers: 798SCM, 798SCKB or PT63388.

Print Command

The print command is controlled by the **SET** button.

Communication Protocol

Baud Rate	4800
Data Bits	8
Parity	None
Stop Bits	2

Note: IP67 Rating Ingress Protection Rating

6 =	Dust Tight, no ingress of dust, complete protection against contact
7 =	Immersion up to 1m, up to 1m of submersion for up to 30 minutes

Note: Remember, to ensure the specified IP67 performance, the battery cover with gasket will need to be intact and assembled into the plastic housing assembly.