



- ◆ Slide calipers are very versatile measuring tools. While they do not provide the same degree of precision as a micrometer, they are very accurate and each tool offers much more range than a single micrometer.
- ◆ The best digital and dial slide calipers, regardless of resolution, are accurate to within .001" or 0.03mm, every 6" or 150mm. The best vernier calipers are accurate to .0005" or 0.013mm per foot or 300mm.
- ◆ Slide calipers come in different styles – electronic calipers, mechanical dial calipers, vernier calipers and plain slide calipers.
- ◆ Because slide caliper measuring surfaces are not in line with the beam of the caliper, some care should be taken not to use too much measuring pressure. This will lessen the possibility of springing the jaws. We use approximately one-half pound (.2kg) of pressure to set up the tools. However, a specific pressure is not necessary – just use good judgment for a minimum measuring pressure.
- ◆ To check or set the separate I.D. nibs on a caliper, a micrometer or a ring gage can be used. Individual "feel" is important when measuring an I.D. This is because the measuring surfaces are so thin that small pressure changes that are normal from person to person can affect the reading as much as .001" (0.03mm) or so.
- ◆ It is important to keep the sliding surfaces clean and lightly oiled.





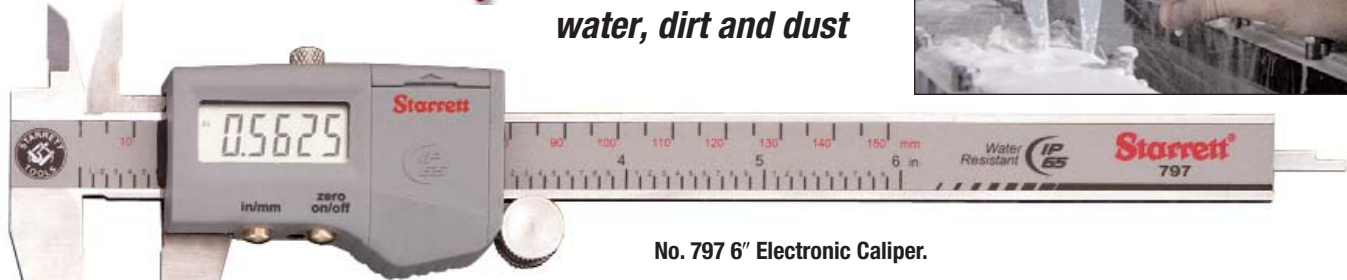
SLIDE CALIPERS



Electronic Calipers No. 797 Series 0-12" (0-300 mm)



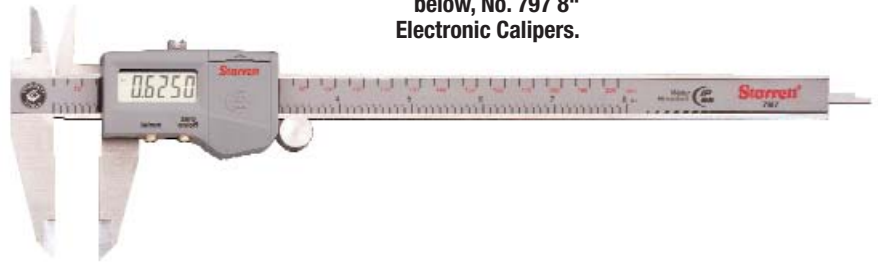
**IP65 protection
against coolant,
water, dirt and dust**



No. 797 6" Electronic Caliper.



Above, No. 797 12",
below, No. 797 8"
Electronic Calipers.



Starrett 797 Electronic Calipers provide an IP65* level of protection against foreign matter in hostile shop environments.

They are coolant and water resistant and offer excellent protection against chips, dirt, dust and other contaminants.

The extra large LCD (character height .310") makes the 797 exceptionally easy to read. All 797 models also include an output port for RS232 equipped devices.

While there are other IP65 electronic calipers available, only the 797 is a Starrett – the tool of choice for the most experienced toolmakers and machinists when the measurements are most critical.

Features

- ◆ Large, easy-to-read LCD display
- ◆ IP65* level of protection against coolant, water, dirt and dust
- ◆ Induction type linear encoder system
- ◆ Hardened stainless steel measuring surface for long life
- ◆ Depth rod attachment available for all sizes to more accurately seat the tool
- ◆ Fine adjustment
- ◆ Lock to hold the slide in position
- ◆ Linear accuracy meets DIN862
- ◆ Resolution is .0005" (0.01 mm)



IP65 protection against coolant, water, dirt and dust.

- ◆ Long life CR2032 3V battery (>3500 continuous hours of battery life)
- ◆ Inch/mm conversion
- ◆ Zero at any position
- ◆ Manual on/off, plus an automatic off after four hours of nonuse
- ◆ Output data to Starrett SPC Plus hardware and software and to PCs
- ◆ Works well with Starrett DataSure®

* According to IEC529, IP65 stands for:
 – The first number "6" identifies protection against ingress of dust
 – The second number "5" identifies protection against water jets projected by a nozzle from any direction for a duration of three minutes

Packed one in a box.



No. 797 Series Specifications

Right: All 797 models include a port for output to a variety of peripherals, either through a traditional wire, or by connecting to a Starrett DataSure® Wireless Data Collection System End Node .



Range	Description	Catalog No.	EDP No.
0-6" (150mm)	Caliper with Output in Fitted Plastic Case	797B-6/150	68659
	Caliper with Output, Standard Letter of Certification†, in Fitted Plastic Case	797B-6/150 W/SLC	68823
0-8" (200mm)	Caliper with Output in Fitted Plastic Case	797B-8/200	68660
	Caliper with Output, Standard Letter of Certification†, in Fitted Plastic Case	797B-8/200 W/SLC	68824
0-12" (300mm)	Caliper with Output in Fitted Plastic Case	797B-12/300	68661
	Caliper with Output, Standard Letter of Certification†, in Fitted Plastic Case	797B-12/300 W/SLC	68825

Accessories, Cables and Case Information

Description	Catalog No.	EDP No.
Center Distance Attachment	PT26151	64440
Depth Attachment	PT22431	64640
Computer Interface Cable to PC (RS232)	PT62606	68822
Shielded Cable to 761/772 Series Starrett Modules	PT61340	65648
Two 3-Volt Batteries, No. CR2032	PT99492	65650
Deluxe Padded Case for 0-6" (150mm) Calipers	723ZZ-6	57070
Finished Wood Case for 0-8" (200mm) Calipers	950	63878
Finished Wood Case for 0-12" (300mm) Calipers	946	56695

Approximate Jaw Depths

	6" (150mm)	8" (200mm)	12" (300mm)
Outside	1-1/2" (38mm)	1-7/8" (47.6mm)	2-1/2" (63.5mm)
Inside	5/8" (16mm)	3/4" (19mm)	3/4" (19mm)

Packed one in a box.

NOTE: † Includes redemption card for Standard Letter of Certification (SLC).



Electronic Calipers No. 799 Series 0-40" (0-1000mm)



Starrett's 799 Series Electronic Calipers are light, comfortable, easy-to-use, and constructed with features that have made Starrett slide calipers the machinist's first choice for many years.

The 799 offers a slim, streamlined profile, a large, clear, easy-to-read LCD display, long battery life, and function buttons for zero and inch/mm.

799 calipers are available in 0-6", 0-8", and 0-12" sizes and the newly available Extended Range 24" and 40". All sizes furnished in a fitted, protective case.

Features (all sizes)

- ◆ Lightweight, ergonomic design
- ◆ Inch/millimeter conversion reads .0005" or 0.01mm
- ◆ Easy access to the single, long-life battery
- ◆ Last measuring position retained when shut off
- ◆ Hardened stainless steel body for long life
- ◆ Fine adjustment thumb wheel
- ◆ Lock screw to hold the slide in position
- ◆ Resolution is .0005" (0.01mm)
- ◆ Zero at any position



6", 8" & 12" Calipers Only

- ◆ Large easy-to-read LCD, .32" high characters
- ◆ Automatic shut-off after 5 minutes of nonuse
- ◆ Linear accuracy meets DIN862
- ◆ Integrated depth rod

Extended Range 24" & 40" Calipers

- ◆ Preset and hold feature
- ◆ Minimum and maximum limits set
- ◆ I.D. jaw dimension is 0.800"/20.32mm
- ◆ LCD characters are .50" high
- ◆ Auto shut-off after 30 minutes of nonuse

Packed one in a box.



No. 799 Series specifications

Right:
0-40"/1000mm

Below:
0-24"/600mm



Range	Description	Catalog No.	EDP No.
0-6" (150mm)	Caliper in Fitted Plastic Case	799A-6/150	67410
	Caliper with Standard Letter of Certification†, in Fitted Plastic Case	799A-6/150 W/SLC	67620
0-8" (200mm)	Caliper in Fitted Plastic Case	799A-8/200	67412
	Caliper with Standard Letter of Certification†, in Fitted Plastic Case	799A-8/200 W/SLC	67413
0-12" (300mm)	Caliper in Fitted Plastic Case	799A-12/300	67621
0-24" (600mm)	Caliper in Fitted Plastic Case	799AZ-24/600	11978
0-40" (1000mm)	Caliper in Fitted Plastic Case	799AZ-40/1000	11979

Accessories and Case Information

Description	Catalog No.	EDP No.	
6", 8" & 12" Calipers Only	Center Distance Attachment for	PT26151	64440
	Depth Attachment	PT22431	64640
1-1/2 Volt Battery, No. CR2032	PT99492	65650	
Deluxe Padded Case for 0-6" (150mm) Calipers	723ZZ-6	57070	
Finished Wood Case for 0-8" (200mm) Calipers	950	63878	
Finished Wood Case for 0-12" (300mm) Calipers	946	56695	

NOTE: † Includes redemption card for Standard Letter of Certification (SLC).

Approximate Jaw Depths

	6" (150mm)	8" (200mm)	12" (300mm)	24" 600mm	40" (1000mm)
Outside	1-1/2" (38mm)	2" (50.8mm)	2-1/2" (63.5mm)	4" (100mm)	4" (100mm)
Inside	5/8" (16mm)	3/4" (19mm)	23/32" (18.3mm)	11/16" (17.46mm)	11/16" (17.46mm)

24" & 40" Dimension Detail

