

User's Manual

Bluetooth Digital Depth Gauge

Type : SSD Series

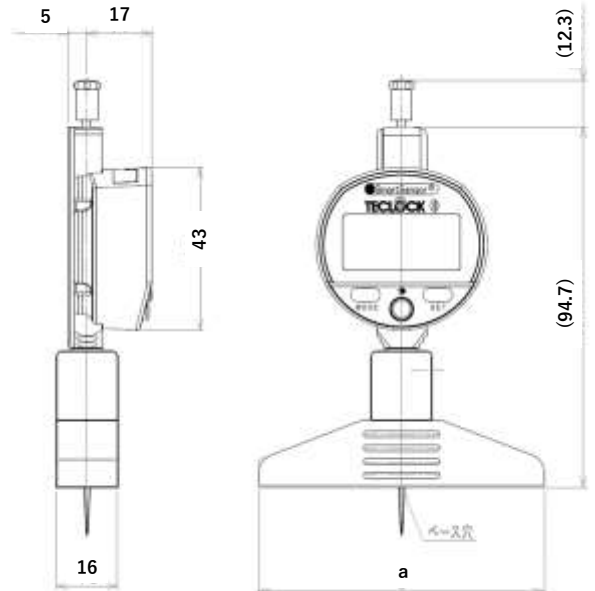


Parts	Features
Battery cover	for exchange the Battery(CR2032)
Display	Display Measuring value, Setting mode, etc.
MODE Button	Basic function by short press, Advanced function by long press
SET Button	Change each mode, digit, etc.
Button	Send button on Measuring, Enter button on setting
Base	Measuring Base
Probe	Contact point

*1) Refer to Indicator manual for detail operation.

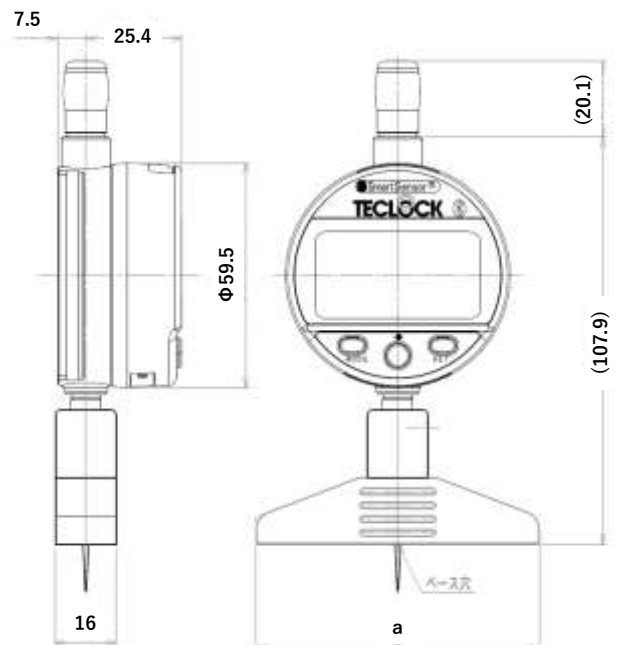
*2) Refer to Chapter 6 about Probe shape.

Discription



Type	Base Shape a x 16	Hole diameter in Base bottom plane
SSD-210	75x16	2.5
SSD-211	75x16	2.5
SSD-213	75x16	5.2
SSD-214	75x16	5.2
SSD-215	100x16	5.2
SSD-2100M	75x16	2.5
SSD-2110M	75x16	2.5
SSD-2130M	75x16	5.2

Unit : mm

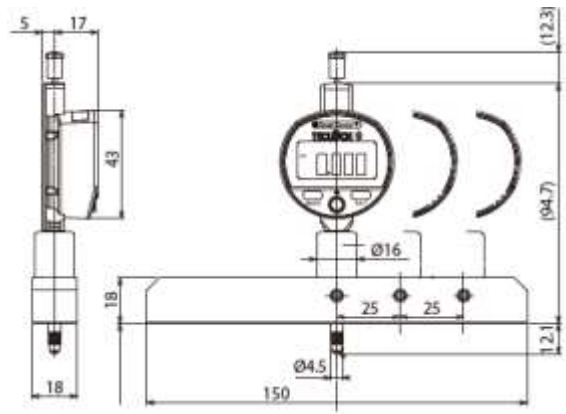


Type	Base Shape a x 16	Hole diameter in Base bottom plane
SSD-2100	75x16	2.5
SSD-2150	100x16	5.2

Unit : mm



SSD-293



SSD-250
SSD-2500M



SSD-251



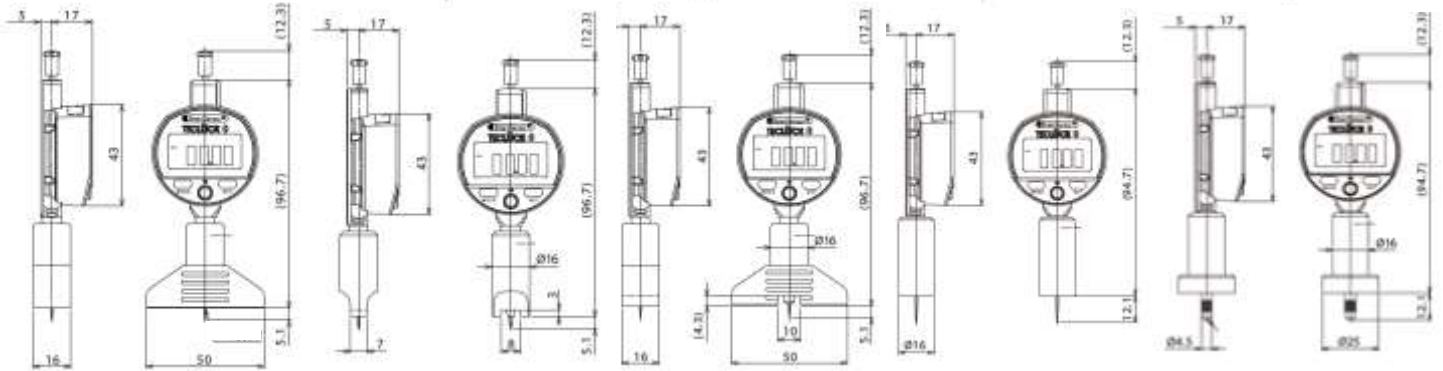
SSD-252
SSD-2520M



SSD-280



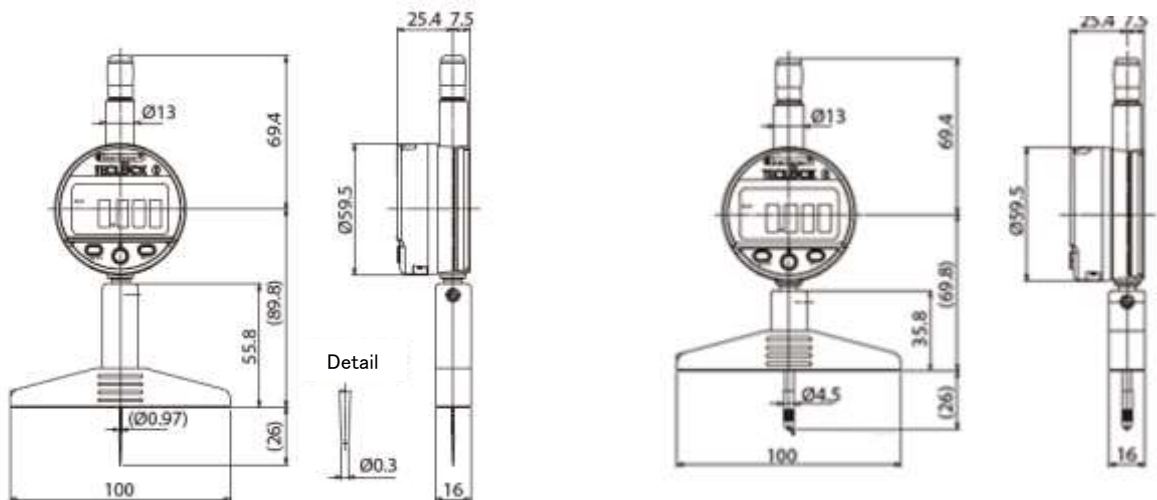
SSD-283



SSD-2400



SSD-2410



1. Power on/off operation

(1) Power on Press any button, then Power on.

(2) Power off

① Long press **SET** button(2 sec. or more), then it is standby and display is disappeared.

② Long press **SET** button(4 sec. or more), then 「off」displayed and Power off.

※) In the case of no using for a long time, do ② operation.

2. Preparation for Measuring

(1) Setting positive value in a measuring value

① Long press **MODE** button, then Advanced mode.

② Short press **MODE** button, 「dir」displayed.

※) **MODE** button press times: 1/100mm type is one time, 1/1000mm type are two times.

③ Short press **+** button 2 times, then negative displayed, and press **SET** button.



(2) Setting for Bluetooth

① Long press **MODE** button, then Advanced mode. (「Unit」displayed)

② Short press **MODE** button 5 times, then 「bt CFG」displayed. (Bluetooth setting mode)

③ Short press **+** button any times, then select 「HID」 or 「PAIr」 and press **SET** button.

④ Short press **MODE** button any times, then 「bt」displayed. (Bluetooth setting mode)

⑤ Short press **+** button, then select 「on」 and press **SET** button. (Bluetooth on mode)

⑥ Short press **MODE** button any times, then 「bt」displayed. (Bluetooth setting mode)

⑦ Short press **+** button, then 「rESEt」displayed and press **SET** button. (Bluetooth Reset)

⑧ Pair connection with PC.

Pairing mode	Instrument name on PC display	
	Mini Indicator	Standard Indicator
Pairモード	SY303	SY289
HIDモード	S Dial Mini HID	S Dial work HID

⑨ Display on Bluetooth mode


Display status	Operating mode
off	Bluetooth disconnected
blinking	Bluetooth advertising
on	Bluetooth connected
rESEt	reset : clear pairing information
MAC	MAC : display the MAC address
SIMPLE	Simple : profile without pairing
PAIr	Pair : paired and secured profile
HID	HID : virtual keyboard

3. Measuring

(1) Setting zero point

- ① As shown in the Figure.1, bring the base surface into firm contact with the plane being the reference surface of measurement.
- ② Short press **SET** button, then 「Zero」displayed and reset.(Figure.1)
 - *) Don't slide this one right and left, back and forth, leaving the base contacting to the reference surface.(Figure.2)

(2) Depth measuring

As shown in the Figure.3, bring the base surface into firm contact with the plane being the reference surface of measurement and put the contact point at the measuring position of the concave part where the depth is measured. Press  button, then measuring data is sent to PC.

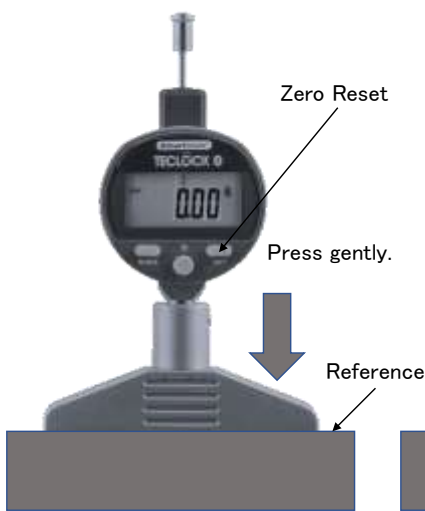


Figure.1: ZeroReset

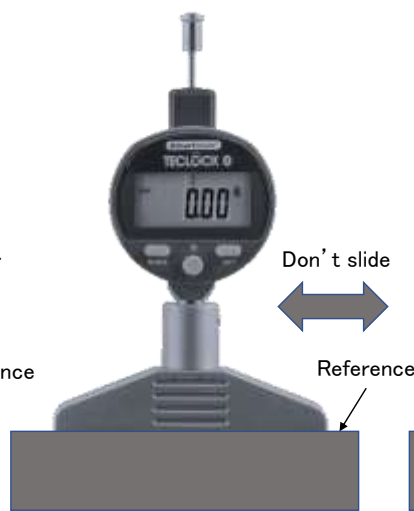


Figure.2: Sliding prohibited

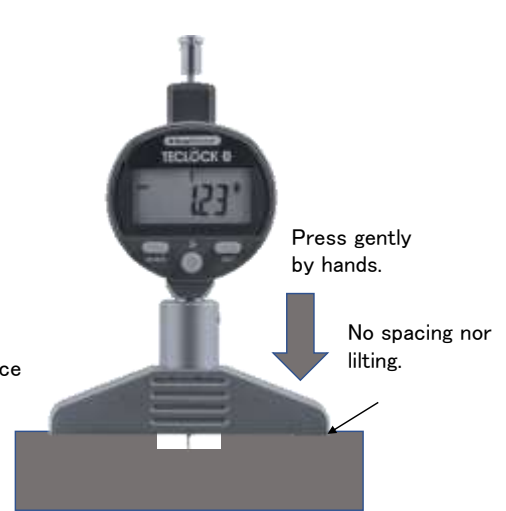


Figure.3: Depth Measuring

4. Maintenance

Carefully dry all mechanical parts of the instrument after contact with liquids to ensure proper operation and avoid corrosion.

Don't use aggressive products (alcohol, trichloroethylene or others) to clean plastic parts.

Don't expose the instrument to direct sunlight, heat or humidity

5. Installing and replacing the battery

- (1) In case Mini Indicator
(SSI-150S, SSI-250)



- (2) In case Standard Indicator
(SSI-550, SSI-560)







6. Specifications

Type	SSD-210	SSD-211	SSD-213	SSD-214	SSD-215	SSD-2100M	SSD-2110M	SSD-2130M	SSD-2100	SSD-2150
Resplution(mm)	0.01					0.001				
Measuring range(mm)	12			12 220(5pcs extension rods)		12			12 220(5pcs extension rods)	
Indication error(μ m)	± 20					± 6			± 5	
Contact point(mm)	Needle	$\Phi 2$ Flat	$\Phi 3.2$ Steel ball	$\Phi 3.2$ Steel ball	$\Phi 3.2$ Steel ball	Needle	$\Phi 2$ Flat	$\Phi 3.2$ Steel ball	Needle	$\Phi 3.2$ Steel ball
Extension rod	None			5pcs		None			5pcs	
Base shape(mm)	75x16				100x16	75x16			17x16	100x16
Base hole diameter(mm)	$\Phi 2.5$	$\Phi 2.5$	$\Phi 5.2$	$\Phi 5.2$	$\Phi 5.2$	$\Phi 2.5$	$\Phi 2.5$	$\Phi 5.2$	$\Phi 2.5$	$\Phi 5.2$
Weight(g)	214			239	270	214			262	323
Built-in Indicator	SSI-150S					SSI-250			SSI-550	
Measuring force(N)	0.5~0.9 \pm 20%								0.65~0.9 \pm 20%	
Working temperature($^{\circ}$ C)	5~40									
Strage temperature($^{\circ}$ C)	-10~60									
IP protection	IP67								IP54	
Battery life	about 6 months(under general using)									
Battery	CR2032									

Type	SSD-293	SSD-250	SSD-251	SSD-252	SSD-280	SSD-283	SSD-2500M	SSD-2520M	SSD-2400	SSD-2410
Resplution(mm)	0.01	0.01					0.001		0.001	
Measuring range(mm)	12 220 (5pcs extension rods)	5	5	$\square 5 \square 4$	12	12	5	$\square 5 \square 4$	25	25
Indication error(μ m)	± 20	± 20					± 6		± 6	
Contact point(mm)	$\Phi 3.2$ Steel ball	Needle	Spesial needle	Needle	Needle	$\Phi 3.2$ Steel ball	Needle	Needle	Needle	$\Phi 3.2$ Steel ball
Extension rod	5pcs	None					None		None	
Base shape(mm)	150x80	50x16	Special $\Phi 16$ Cylinder	50x16	$\Phi 16$ Cylinder	$\Phi 25$ Cylinder	50x16	50x16	100x16	100x16
Base hole diameter(mm)	$\Phi 11.0$	$\Phi 2.0$	Special	Special	$\Phi 3.0$	$\Phi 8.0$	$\Phi 2.5$	$\Phi 5.2$	$\Phi 2.0$	$\Phi 8.0$
Weight(g)	450	160	130	160	140	150	149	144	327	307
Built-in Indicator	SSI-150S	SSI-150S					SSI-250		SSI-560	
Measuring force(N)	0.5~0.9 \pm 20%								0.65~1.15 \pm 20%	
Working temperature($^{\circ}$ C)	5~40									
Strage temperature($^{\circ}$ C)	-10~60									
IP protection	IP67								IP54	
Battery life	about 6 months(under general using)									
Battery	CR2032									

7. Certification

contains bluetooth module	ISP091201D
Region	Certification
USA	FCC ID : 2AAQS-ISP091201
Canada	IC : 11306A-ISP091201
Brazil	Anatel : 0516-14-4534
Korea South	 MSIP-CRM-iNs-ISP091201
Mexico	IFT : RCPSYIS14-0655
Japan	 R 001-A06167
Taiwan	 CCAH18LP2040T6
EU	
India	WPC : ETA-1003/2-17-/RLO(WR)

CERTIFICATE OF CALIBRATION

We hereby certify that this product has been calibrated and found to be in accordance with the applicable NATIONAL STANDARDS and TECLOCK STANDARDS, Equipment used in this calibration has traceable accuracy to the NATIONAL LENGTH and FORCE STANDARD.



Notice for use

Be sure to conduct a routine check for this product according to the purpose of use before use. This product is precision instrument, periodically considering frequency of use, environmental conditions and method of use.

It is not guaranteed for the performance of this product, which has been repaired or disassembled by other than TECLOCK.

For appearance and other design improvement, this products
subject to change without advance notice.

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