

User's Manual

Bluetooth Digital Caliper 150/200/300

Type: SSC-650/750/850

Features

➤ Measuring Range : 150mm/200mm/300mm

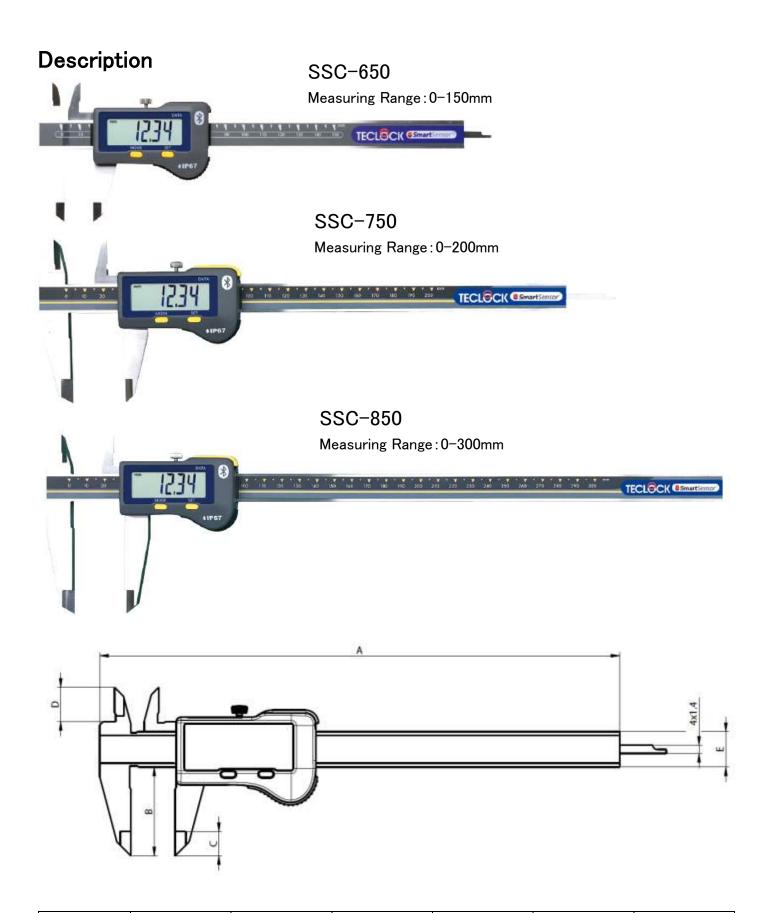
➤ Resolution : 0.01mm

➤ Protection : IP67

➤Wireless communication :Bluetooth



Q-139-1-E ver1.4



Unit:mm	Α	В	С	D	E	Depth rod
SSC-650	234.5	40	11	16	16x3.5	4x1.4
SSC-750	290.5	50	14	19	16x3.5	4x1.4
SSC-850	388	64	14	19	16x4	_

Description



★Operation

1 Button MODE

There are two functions, Basic one and Advanced one.

2 Button DATA

In the case of measuring, Data transmission. In the case of setting, Data enter.

3Button SET

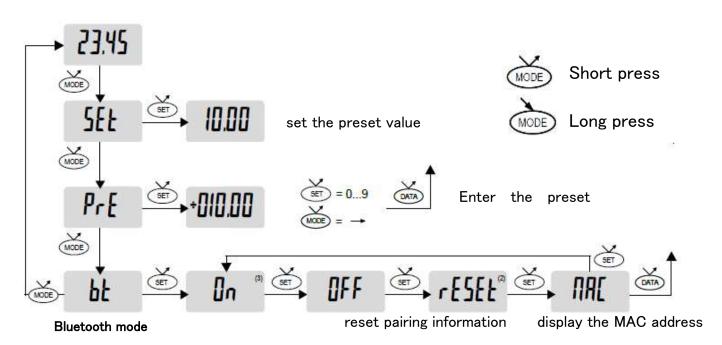
Preset by long press. In the case of setting, Data change.

4)Serial communication (Bluetooth/RS232/USB)

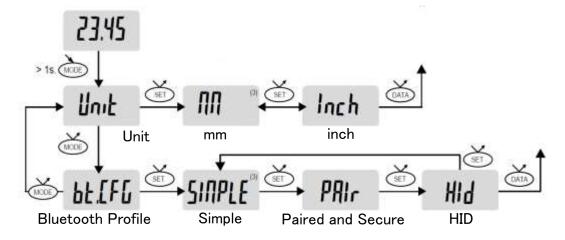
It is able to transmit the measuring data and set the mode data by serial communication.

Transmission specification are 4800bps, 7 bits, even parity and 2 stop bits.

[1] Basic functions : MODE button⇒Short press(< 1 sec)



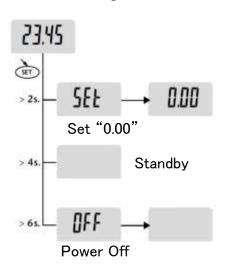
[2] Advanced functions : MODE button⇒Long press(> 1 sec)



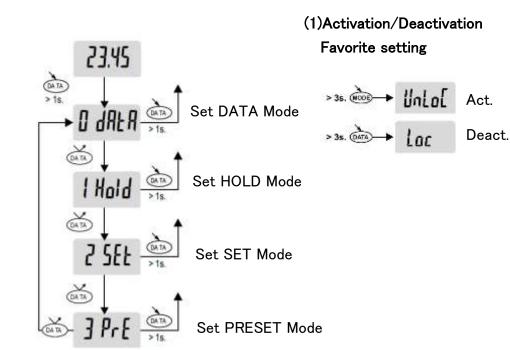
- (2) not available with Simple profile
- (3) Active configuration displays first

[3] Switching off

SET button⇒Long Press(> 2 sec)



[4]Favorite setting : DATA button⇒Long Press(> 1 sec)



[5] Replacing the battery



[6] Operation via Bluetooth

6.1. HID mode (External Key board mode)

- 1)Set HID mode by Advanced function.
- 2)Set BT On mode by Advanced function.
- 3 Reset Bluetooth mode by Basic function.
- (Instrument name: S_Cal EVO HID)
- (5) Send the measured data by the DATA button.

6.2.Pair mode

- 1)Set Pair mode by Advanced function.
- 2)Set BT On mode by Advanced function.
- 3 Reset Bluetooth mode by Basic function.
- (Instrument name: SY295)
- 5 Send the measured data by the DATA button.

6.3.Bluetooth configuration

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

6.4. Bluetooth Connection:

- 1° Activate Bluetooth compatible software and hardware (Master: PC, Display Unit).
- 2° Start the instrument. By default the Bluetooth® module is active and the instrument is available for connection (advertising mode).
- 3° If no connection is established during the advertisement period reactivate the Bluetooth® module using the bt / 🗓 menu.
- 4° Instrument is ready to communicate (connected mode.)

6.5. Only with paired profile:

Pairing with master is automatically done at first connection.

To connect the instrument to a new master (new pairing), pairing information on the instrument must be cleared using the https://est.menu.

6.6. Bluetooth Specifications:

Items	Specification	
Frequency band	2.4GHz	
Modulation	GFSK	
Max output power	Class3(1mW)	
Range	≦15m(open space), 1−5m(industrial environment)	
Version	Bluetooth4.*	

[7]仕様

Items	SSC-650	SSC-750	SSC-850	
Resolution(mm)	0.01			
Measuring Range(mm)	0~150	0~200	0~300	
Indication Error(mm)	±0.02(0-100mm) ±0.03(100-150mm)	±0.02(0-100mm) ±0.03(100-200mm)	±0.02(0-100mm) ±0.03(100-300mm)	
Repeatabirity(mm)	±0.01			
Max slider speed(m/sec)	2.5			
Display refresh rate(times/sec)	min 10			
Data output	Bluetooth			
Mean power consumption(μ A)	45			
Battery life	about 6 months(general using)		sing)	
Woking temperature(°C)	5 ~ 40			
Storage tempaerature(°C)	-10 ~ 60			
Weight(g)	175			
IP Protection	IP67			
Battery	CR2032			
Span(without depth rod)(mm)	234.5	290.5	388	
External jaw(mm)	40	50	64	
Internal jaw(mm)	16	19	19	
Depth rod	V	V	-	

[8]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.

[9]Description of Bluetooth® module:

This module is based on Nordic Semiconductor nRF8001 μ Blue Bluetooth Low Energy Platform. The nRF8001 is a single chip transceiver with an embedded baseband protocol engine, suitable for ultra-low power wireless applications conforming to the Bluetooth Low Energy Specification contained within v4.0 of the overall Bluetooth specification. The nRF8001, used in the current revision of ISP091201, is a product using a ROM for the baseband protocol engine.

[10]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	CE		
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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