



OPERATION INSTRUCTION

BLUETOOTH HIGH PRECISION DIGITAL INDICATORS

Adjustable resolution: 0.0005mm/0.00002", 0.001mm/0.00005"

Code	Range	Accuracy	Hysteresis	Maximum measuring force	cap	Remark
2135-10	12.7mm/0.5"	2μm	1.5μm	1.5N	can lift	flat back
2135-25	25.4mm/1"	2μm	1.5μm	1.8N	can lift	flat back
2135-50	50.8mm/2"	4μm	2μm	2.3N	can lift	flat back

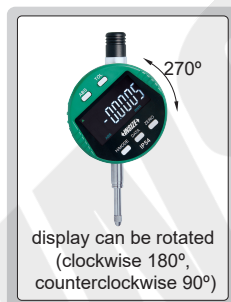
Adjustable resolution: 0.0001mm/0.000005", 0.0005mm/0.00002", 0.001mm/0.00005"

Code	Range	Accuracy	Hysteresis	Maximum measuring force	cap	Remark
2135-101	12.7mm/0.5"	1μm	1μm	1.5N	can lift	flat back



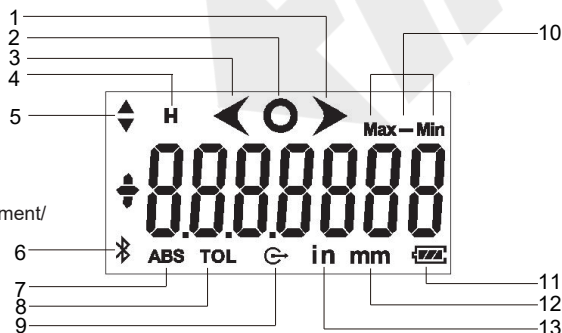
IP54 dust/waterproof (when cap is lifted, no dust/waterproof)

- 1-Cap
- 2-"ABS" button
- 3-"TOL" button
- 4-Type-C charging port
- 5-LCD display
- 6-"H/MODE" button
- 7-"DATA" button
- 8-"ZERO" button
- 9-Stem(Ø8mm)
- 10-Measuring rod
- 11-Probe



Display:

- 1. Upper limit
- 2. Within tolerance
- 3. Lower limit
- 4. Data-hold
- 5. Forward/reverse measurement
- 6. Bluetooth mode
- 7. Absolute mode
- 8. Set the upper/lower limit
- 9. Data output
- 10. Maximum measurement/minimum measurement/maximum - minimum
- 11. Battery level
- 12. mm
- 13. Inch



1. Button function: short press(<1 second), long press(≥2 second)

ZERO	short press	Zero setting
	long press	Power on/off
ABS	short press	Absolute on/off
	long press	Set the origin
TOL	short press	Tolerance on/off
	long press	Set tolerances
MODE	short press	Data-hold on/off
	long press	mm/in conversion, measuring direction, Bluetooth on/off, Bluetooth setting, Max-Min setting, resolution conversion
DATA	short press	Single data transmission
	long press	Continuous data transmission

2. Usage.

2.1 Zero setting, power on/off.

ZERO --Long press, power on/off.

--Short press to set zero (the pre-set origin) when in absolute measuring ("ABS" appears), .

2.2 Absolute on/off, set the origin.

ABS --Short press to switch absolute/relative measuring. "ABS" appears in bsolute measuring, this is normal measuring mode. Short press at any point (we call it "relative zero"), "0.0000" shows and "ABS" disappears, this is relative measuring mode. In this mode, the displayed value is the distance from the measuring point to "relative zero".

--Long press to enter into origin setting. "+000.0000" shows with "+" flashes, "ABS" appears on the screen. Short press "DATA" button till a desired digit flashes, short press "H/MODE" button to switch "+/-" or let desired digit +1. Long press "ABS" button to save and exit when the setting is completed.

2.3 Tolerance on/off, set tolerances

TOL --Short press, "TOL" appears in tolerance mornitor. When exceeds upper limit, a red right arrow "➤" appears.

When in limit, a circle symbol "○"appears. When exceeds lower limit, a red left arrow "➤" appears.

--Long press to enter into tolerance setting. To set a upper limit, "+000.0000" shows with "+" flashes, "TOL" and a right arrow "➤" appears. Short press "DATA" button till switch to a desired digit, short press "H/MODE" button to switch "+/-" or let desired digit +1.

When upper limit setting is completed, keep short press "DATA" button will turn to lower limit setting, and a left arrow "➤"appears. Set the lower limit as the same procedure as above. Long press "TOL" button while setup well done to save the settings and exit.

Note : (1). If no operation is performed in 10 seconds, system automatically saves and exits.

(2). It must be upper limit ≥ lower limit, otherwise "Err42" appears and it will exit without saving.

2.4 Data-hold, MODE setting

H/MODE --Short press, "H" appears, and the value is locked

--Long press to enter into mode setting, keep short press "H/MODE" button to switch Settings: mm/in conversion, measuring direction, Bluetooth on/off, Bluetooth setting, Max-Min setting, resolution conversion. Specific operations are as follows:

(1) mm/in setting

Long press "H/MODE" button until "UNIT" appaers with "mm" or "in" flashes. Short press "DATA" button to switch, short ress "H/MODE" button to save and exit, and enter into next MODE setting, or long ptness "H/MODE" button to save and exit MODE setting.

Note: If no operation is performed in 10 seconds, system automatically exits but not saves.

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(2) measuring direction setting

Long press "H/MODE" button, and short press once, "dir" appears with "▲" and "▼" flashes. Short press "DATA" button to switch, short press "H/MODE" button to save and exit, and enter into next MODE setting, or long press "H/MODE" button to save and exit MODE setting.

Note: If no operation is performed in 10 seconds, system automatically exits but not saves.

(3)Bluetooth on/off

Long press "H/MODE" button, then short press twice, "bt" appears with bluetooth symbol flashes, short press "DATA" button to turn into this mode. Short press "DATA" button can switch "ON/OFF/RESET". "ON" means open bluetooth, "OFF" means close bluetooth, "RESET" means reset and delete matched information. Short press "H/MODE" button to save and exit, and enter into next MODE setting, or long press "H/MODE" button to save and exit MODE setting. When Bluetooth is open, the bluetooth symbol flashes and waiting for matching.

Note: If no operation is performed in 10 seconds, system automatically exits but not saves.

(4) Bluetooth output Setting

Long press "H/MODE" button, then short press three times, "bt.CFG" appears and bluetooth symbol flashes, short press "DATA" button to turn into this mode. short press "DATA" button to switch "SIMPLE/HID". Short press "H/MODE" button to save and exit, and enter into next MODE setting, or long press "H/MODE" button to save and exit MODE setting. When Bluetooth is open, the bluetooth symbol flashes and waiting for matching.

(SIMPLE with no RESET option; HID is the default mode)

When SIMPLE/HID mode is switched, the configuration information will be deleted. Please restart the digital indicator and then the bluetooth ID can be searched.

Note: If no operation is performed in 10 seconds, system automatically exits but not saves.

(5) Max-Min setting

Long press "H/MODE" button, then short press four times, enter into Max-Min setting. Short press "H/MODE" button to save and exit, and enter into next MODE setting, or long press "H/MODE" button to save and exit MODE setting. When Bluetooth is open, the bluetooth symbol flashes and waiting for matching.

Note: If no operation is performed in 10 seconds, system automatically exits but not saves.

(6)Resolution setting

Long press "H/MODE" button, then short press five times, to enter into resolution selection. short press "DATA" button to switch "rE0.0005mm, rE0.001mm". Long press "H/MODE" button to save and exit.

Note: If there is no operation in 10 seconds, it will exit automatically without saving.

2.5 Data Transmission

DATA--short press, send data once.

-- long press, send data continuously.

Note: During data transmission, the input of the device must be set to English or numeric.

(1) Data transmission with cable

Connect the host device (computer/tablet/mobile phone, etc.) with type-C cable, data can be send to Excel, Word, Txt, etc. with the keyboard format.

Short press "DATA" button once, a data will be transmitted, with data transmission symbol flash once.

Long press "DATA" button, data will be transmitted continuously, with data transmission symbol Steady on. (The fastest data output is 40pcs per 10s.)

(2) Bluetooth wireless data transmission

①. Bluetooth HID mode:

a. Open the bluetooth of host device, computer (with Bluetooth device)/ tablet/ mobile phone, etc., let the bluetooth search for digital indicator's bluetooth ID, such as 2135-013030001 (some hosts display MAC address), click match.

After successfully matched, the bluetooth symbol stops flashing and keeps steady on.

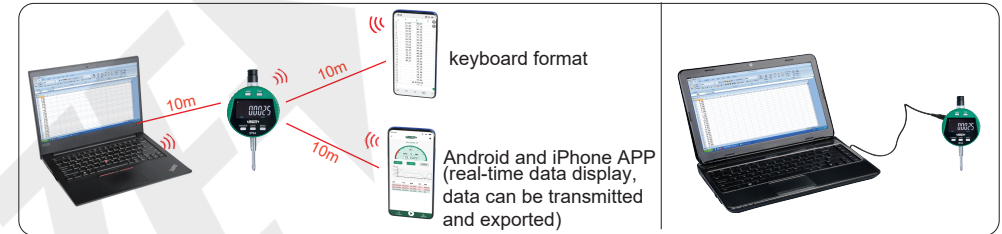
b. Open Excel, Word, Txt, etc, data sending operation is the same as above. (the fastest data output is 15pcs per 10s.)

c. Connect to a new host: If a device has been successfully connected before, other devices cannot search for and match the digital indicator. If you need to match a new device, select the bluetooth RESET function in MODE-setting to delete the matched information.

②. Bluetooth SIMPLE mode:

a. Download Android and Iphone APP: Search "INSIZE.DMS" in the app store.

b. Open the mobile phone's bluetooth, then open APP to search the digital indicator's bluetooth ID, such as 2135-013030001, click add device to match. It has real-time data display, data can be transmitted and exported.



3. Initialization setup

In measurement, press and hold "H/MODE" button and "ZERO" button at the same time to clear all setting data and initialize.

4. Power supply

Built-in rechargeable Li-battery, for 30 hours continuous working. (bluetooth transmission reduce working hours)