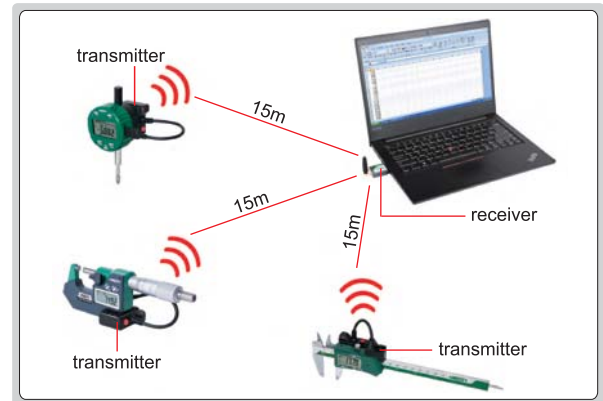# WIRELESS DATA TRANSMISSION SYSTEM

- Through wireless transmission, the readings of measuring tools can be transmitted to computers or mobile phone
- Wireless zigbee protocol, conforming to IEEE802, 2.4GHz band
- Transmission distance is 15 meter (under the condition of no obstruction and no electromagnetic interference)

Transmitter
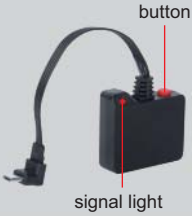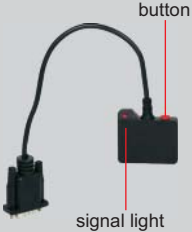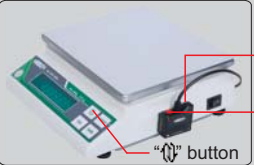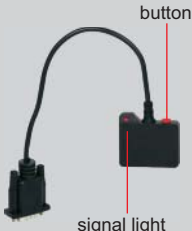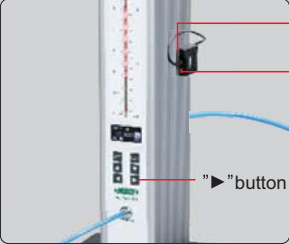
- Connecting to digital measuring tools such as calipers, micrometers and indicators
- CR2032 battery

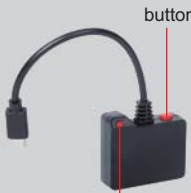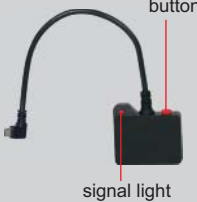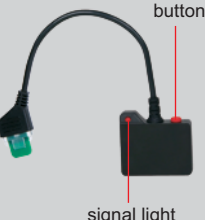| Code	Description	Transmitter	Connecting with measuring tool	Transmit data
7315-21	transmitter for digital calipers	button / signal light / button	signal light / button / button	▪ Press the button on the plug of cable, can also press the button of the transmitter ▪ Data is transmitted once, the signal light of the transmitter flashes once
7315-22	transmitter for large digital calipers	button / signal light	signal light / button	▪ Press the button of the transmitter ▪ Data is transmitted once, the signal light of the transmitter flashes once
7315-30	transmitter for digital micrometers	button / signal light	signal light / "data" button / button / signal light for **3102**, **3128**, **3565** series digital micrometers	▪ Press the "data" button of the digital micrometer, can also press the button of the transmitter ▪ Data is transmitted once, the signal light of the transmitted flashes once, at the same time, the signal light on the digital micrometer flashes once
7315-31	transmitter for digital micrometers		IP65 / "data" button / signal light / back	▪ Press the "data" button of digital micrometer ▪ Data is transmitted once, the signal light on the digital micrometer flashes once

Code	Description	Transmitter	Connecting with measuring tool	Transmit data
7315-50M	transmitter for digital indicators	button signal light	signal light button	■ Press the button of the transmitter ■ Data is transmitted once, the signal light of the transmitter flashes once
7315-51	transmitter for digital indicators		"DATA" button signal light for **2103**, **2138**, **2139** series digital indicators foot switch (code **7304-7**, **optional**)	■ Press the "DATA" button of digital indicator, can also press the foot switch (code **7304-7**, **optional**) ■ Data is transmitted once, the signal light on digital indicator flashes once
7315-51B	transmitter for bore gauge	button	"DATA" button signal light button	■ Press the "DATA" button of digital indicator, can also press the button of the transmitter ■ Data is transmitted once, the signal light on digital indicator flashes once
7315-2183	transmitter for digital indicators	button signal light	signal light button	■ Press the button of the transmitter ■ Data is transmitted once, the signal light of the transmitter flashes once

Code	Description	Transmitter	Connecting with measuring tool	Transmit data
7315-60	transmitter for high prexision digital indicators	button / signal light	signal light / button	▪ Press the button of the transmitter ▪ Data is transmitted once, the signal light of the transmitter flashes once
7315-80	transmitter for digital calipers/ micrometers	button / signal light	"SET" button / button	▪ Press the "SET" button of the calipers/micrometers, can also press the button of the transmitter ▪ Data is transmitted once, the signal light of the transmitter flashes once
7315-3350	transmitter for digital micrometers	button / signal light	signal light / button	▪ Press the button of the transmitter ▪ Data is transmitted once, the signal light of the transmitter flashes once
7315-1150	transmitter for digital height gages	button / signal light	signal light / button	▪ Press the button of the transmitter ▪ Data is transmitted once, the signal light of the transmitter flashes once
7315-1151	transmitter for digital height gages	button / signal light	button / signal light	▪ Press the button of the transmitter ▪ Data is transmitted once, the signal light of the transmitter flashes once
7315-2172	transmitter for digital protractor	button / signal light	signal light / button	▪ Press the button of the transmitter ▪ Data is transmitted once, the signal light of the transmitter flashes once

Code	Description	Transmitter	Connecting with measuring tool	Transmit data
7315-2771	transmitter for digital protractor	button, signal light	signal light, button	▪ Press the button of the transmitter ▪ Data is transmitted once, the signal light of the transmitter flashes once
7315-8301	transmitter for electronic balances	button, signal light	signal light, button, "〵" button, back	▪ Press the "〵" transmit button of the electronic balances, can also press the button of the transmitter ▪ Data is transmitted once, the signal light of the transmitter flashes once
7315-9404	transmitter for air gauge displays	button, signal light	signal light, button, "▶"button, back	▪ Press the "▶" button of the air gauge display,can also pless the button of the transmitter ▪ Data is transmitted once, the signal light of the transmitter flashes once

Receiver (keyboard signal)

- For computers and mobile phones
- Recognized as HID keyboard device, the transmitted data is recognized by computers or mobile phones as keyboard input data and press enter key, such as 12.34 ↵ No need to install drivers and softwares
- Data can be transmitted to excel, word, txt etc.
- For any softwares which can receive keyboard signal

Code	Product	Description	Remark
7315-3	USB port	single channel receiver	connected with 1 transmitter only
7315-6	USB port	multichannel receiver	connected with 6 transmitters, each channel has status indicator
7315-7	type-C port		
7315-8	micro USB port		
7315-9	lightning port		

Receiver (text format, virtual com port)

- For computers with windows system
- Text format virtual com port, converted to keyboard format with supplied software
- Supplied with Excel directional input software
- Measurement data can be transmitted to excel, word, txt etc. and any software which receives keyboard signal

Code	Product	Description	Remark
7315-2	USB port antenna	multichannel receiver	connected with maximum 16 transmitters, each of them has unique identification code

Excel directional input software

- Supplied with **7315-2** receiver
- The readings of measuring tools can be transmitted to the designated area of excel, which facilitates data management and improves efficiency

Excel directional input software (included in **7315-2**),
application example 1

Set the display area of caliper at B4-B9,
the readings of caliper are displayed at B4, B5...B9.
Set the display area of micrometer at C4-C9,
the readings of micrometer are displayed at C4, C5... C9.
Set the display area of height gage at D4-D9,
the readings of height gage are displayed at D4, D5... D9.

	A	B	C	D
1	Project	Length	Width	Height
2	Dimension and Tolerance	50±0.05	24±0.01	10+0.05/-0.06
3	Measuring tool	Caliper	Micrometer	Height gage
4	1	50.02	24.004	9.98
5	2	50.01	24.010	10.01
6	3	49.99	23.990	10.02
7	4	50.00	23.996	9.99
8	5	50.04	24.000	10.01
9	6	Channel 1	Channel 2	Channel 3

serial of workpieces

the next data display area is indicated in green

Excel directional input software (included in **7315-2**),
application example 2

Set the display area of micrometer at B4-C9, data input is from the left to the right,
the readings of micrometer are displayed at B4, C4, B5, C5... B9, C9.
Set the display area of caliper at D4-D9,
the readings of caliper are displayed at D4, D5... D9.
Set the display area of depth gage at E4-E9,
the readings of depth gage are displayed at E4, E5... E9.

	A	B	C	D	E
1	Project	External diameter1	External diameter2	Length	Depth
2	Dimension and Tolerance	Φ23+0.01/-0.02	Φ21+0.01/-0.02	50±0.04	28±0.05
3	Measuring tool	Micrometer	Micrometer	Caliper	Depth gage
4	1	23.010	21.008	49.98	28.01
5	2	23.010	21.000	49.98	27.98
6	3	22.999	21.000	50	28
7	4	23.007	20.998	50	28
8	5	23.000	20.985	50.01	28.01
9	6	23.008	Channel 1	Channel 2	Channel 3

serial of workpieces

the next data display area is indicated in green