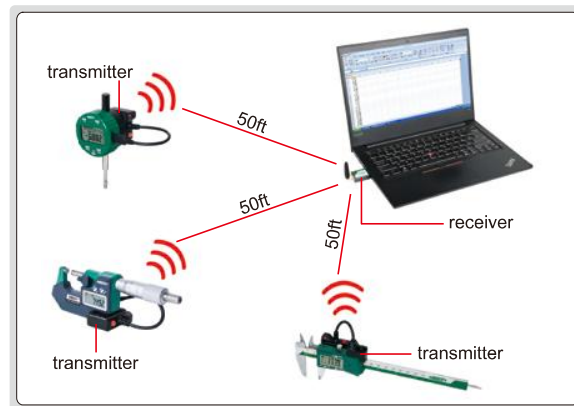


## WIRELESS DATA TRANSMISSION SYSTEM (ZIGBEE)




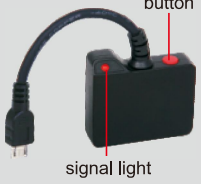






- Through wireless transmission, the readings of measuring tools can be transmitted to computers or mobile phones
- Wireless zigbee protocol, conforming to IEEE802, 2.4GHz band
- Transmission distance is 50ft (under the condition of no obstruction and no electromagnetic interference)

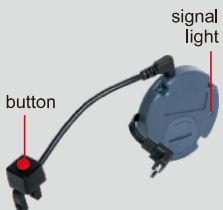
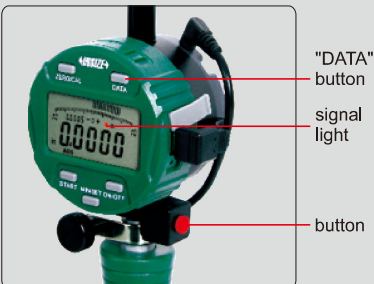
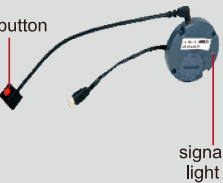
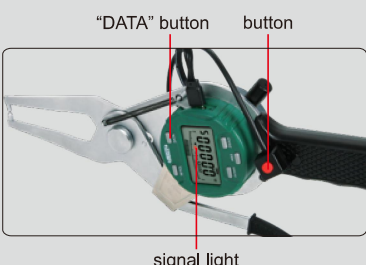
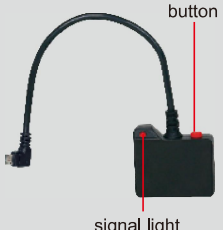

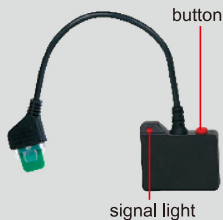







### Transmitter

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

Part No.	Description	Transmitter	Connecting with measuring tool	Transmit data
7315-25	transmitter for digital calipers			<ul style="list-style-type: none"> <li>■ Press the button of the transmitter</li> <li>■ Data is transmitted once, the signal light of the transmitter flashes once</li> </ul>
7315-22	transmitter for large digital calipers			<ul style="list-style-type: none"> <li>■ Press the button of the transmitter</li> <li>■ Data is transmitted once, the signal light of the transmitter flashes once</li> </ul>
7315-30	transmitter for digital micrometers		<p>for 3102, 3128, 3565 series digital micrometers</p>	<ul style="list-style-type: none"> <li>■ Press the "data" button of digital micrometer, can also press the button of the transmitter</li> <li>■ Data is transmitted once, the signal light of the transmitter flashes once, at the same time, the signal light on the digital micrometer flashes once</li> </ul>






Part No.	Description	Transmitter	Connecting with measuring tool	Transmit data
7315-31	transmitter for digital micrometers		 <p>"data" button</p> <p>signal light</p>  <p>back</p>	<ul style="list-style-type: none"> <li>Press the "data" button of digital micrometer</li> <li>Data is transmitted once, the signal light on the digital micrometer flashes once</li> </ul>
7315-50M	transmitter for digital indicators	 <p>button</p> <p>signal light</p>	 <p>signal light</p> <p>button</p>	<ul style="list-style-type: none"> <li>Press the button of the transmitter</li> <li>Data is transmitted once, the signal light of the transmitter flashes once</li> </ul>
7315-51	transmitter for digital indicators	 <p>button</p> <p>signal light</p>	 <p>"DATA" button</p> <p>signal light</p> <p>button</p> <p>for 2108, 2138, 2139 series digital indicators</p>  <p>signal light</p> <p>foot switch (part no. 7304-7, optional)</p> <p>back</p>	<ul style="list-style-type: none"> <li>Press the "DATA" button of digital indicator, can also press the button of the transmitter</li> <li>Transmitter button can be fixed on request</li> <li>Data is transmitted once, the signal light on digital indicator flashes once</li> </ul>
			 <p>button</p> <p>for other digital indicators</p>  <p>signal light</p> <p>foot switch (part no. 7304-7, optional)</p> <p>back</p>	<ul style="list-style-type: none"> <li>Press the button of the transmitter</li> <li>Transmitter button can be fixed on request</li> <li>Data is transmitted once, the signal light on digital indicator flashes once</li> </ul>

Part No.	Description	Transmitter	Connecting with measuring tool	Transmit data
7315-51B	transmitter for bore gauges			<ul style="list-style-type: none"> <li>■ Press the "DATA" button of digital indicator, can also press the button of the transmitter</li> <li>■ Data is transmitted once, the signal light on digital indicator flashes once</li> </ul>
7315-55	transmitter for digital gauges			<ul style="list-style-type: none"> <li>■ Press the "DATA" button of digital gauge, can also press the button of the transmitter</li> <li>■ Transmitter button can be fixed on request</li> <li>■ Data is transmitted once, the signal light on digital gauge flashes once</li> </ul>
7315-60	transmitter for high precision digital indicators			<ul style="list-style-type: none"> <li>■ Press the button of the transmitter</li> <li>■ Data is transmitted once, the signal light of the transmitter flashes once</li> </ul>
7315-80	transmitter for digital calipers/ micrometers			<ul style="list-style-type: none"> <li>■ Press the "SET" button of the calipers/micrometers, can also press the button of the transmitter</li> <li>■ Data is transmitted once, the signal light of the transmitter flashes once</li> </ul>
7315-3350	transmitter for digital micrometers			<ul style="list-style-type: none"> <li>■ Press the button of the transmitter</li> <li>■ Data is transmitted once, the signal light of the transmitter flashes once</li> </ul>
7315-1150	transmitter for digital height gauges			<ul style="list-style-type: none"> <li>■ Press the button of the transmitter</li> <li>■ Data is transmitted once, the signal light of the transmitter flashes once</li> </ul>





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 1.34℃.
- No need to install drivers and softwares
- Data can be transmitted to excel, word, txt etc.
- For any softwares which can receive keyboard signal

Part No.	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
- The readings of measuring tools can be transmitted to excel, word, txt etc. and any software which receives keyboard signal

Part No.	Product	Description	Remark
7315-2	antenna  USB port 	multichannel receiver	connected with maximum 16 transmitters, each of them has unique identification code



Receiver (485 communication)

- Modbus-RTU protocols, baud rate 9600
- Can be connected to a PC or PLC
- The communication address is configurable

Part No.	Product	Description	Remark
7315-485		multichannel receiver	connected with 6 transmitters, each channel has status indicator

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 gauge at D4-D9, the readings of height gauge 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 gauge at E4-E9, the readings of depth gauge 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