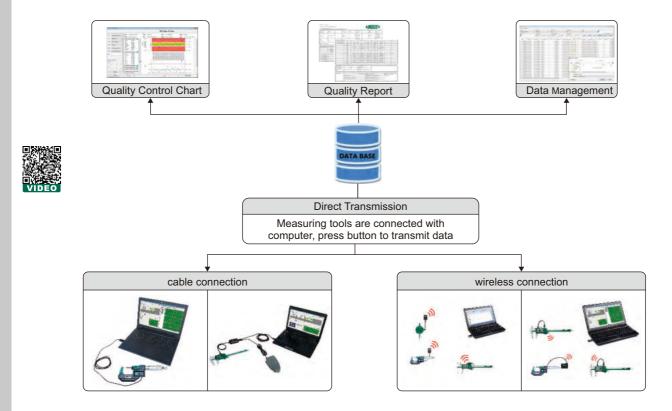


# MEASURING DATA MANAGEMENT SOFTWARE CODE 7316-10



### **Direct Transmission**

■ Transmit data through cables or wireless systems



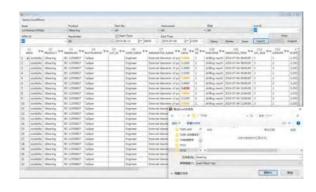
### **Quality Control Chart**

 Analyze the tendency of data, make production adjustment in advance



### **Data Management**

■ Measuring data are stored in database



### **Quality Report**

Generate different EXCEL report formats according to requirements

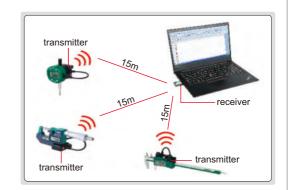




### **WIRELESS DATA TRANSMISSION SYSTEM**

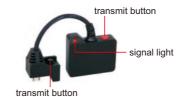


- Through wireless transmission, the measurement data can be transmitted to computers or mobile phones
- For windows and android systems
- Wireless zigbee protocol, conforming to IEEE802, 2.4GHz band
   Transmission distance is 15 meter(Under the condition of no obstruction and no electromagnetic interference. The transmission distance of built-in wireless measuring tools can be found in their respective introduction.)



#### **Transmitter**

- Connecting to digital measuring tools such as calipers, micrometers and indicators
- Press the transmit button to send data
- CR2032 battery





7315-21

7315-22

Code	Description	Plug to product	Remark
7315-21	transmitter for digital calipers	transmit button	signal light transmit button transmit button digital calipers and digital depth gages
7315-22	transmitter for large digital calipers	-101	signal light transmit button large digital calipers (range ≤1000mm) and digital height gages
7315-30	transmitter for digital micrometers		digital micrometers  transmit button  signal light
7315-50M	transmitter for digital indicators	-111	signal light transmit button digital indicators, digital thickness gages and digital internal/external caliper gages
7315-60	transmitter for high precision digital indicators		signal light transmit button  2140-6 and 2133 series high precision digital indicators 3350 series high precision digital micrometers/snap gages

To be continued



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### Receiver (keyboard signal)

- For computers and mobile phones with windows and android systems
- Recognized as HID keyboard device, press transmit button of transmitter, which is recognized by computers or mobile phones as keyboard input data and press enter, such as 12.34 ∠. No need to install drivers and softwares
- Data can be transmitted to excel, word, txt etc.
- Suitable 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		
7315-7	Type-C port	multichannel receiver	Connected with 6 transmitter, each channel has a transmitter status indicator
7315-8	Micro USB port		

### Receiver (text format, virtual com port)

- Suitable for computers with windows system
- Text format virtual com port, converted to keyboard format with supplied software
- Supplied with EXCEL directional input software(please refer to the next page for details)
- Measurement data can be transmitted to excel, word, txt etc. and any software which receives keyboard signal

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

To be continued



### **EXCEL** directional input software

- Included in 7315-2 receiver
- The measurement data of multiple 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.

	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
g	6	Channel 1	Channel 2	Channel 3

workpieces

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.

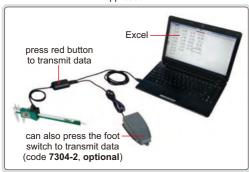
8	A	В	C	D	E
1	Project	External diameter1	External diameter2	Length	Depth
2	Dimension and Tolerance	Ф23+0.01/-0.02	Ф21+0.01/-0.02	50±0.04	28±0.05
3	Measuring tool	Micrometer	Micrometer	Caliper	Depth gage
4	1	23.010 -	21.008	49.98	28.01
5	2	23.010	21.000	49.98	27.98
6	3	22.999	21.000	50	28
7	4	23.007	20.998	50	28
8	5	23.000	20.985	50.01	28,01
9	6	23.008	Chamel 1	Channel 2	Channel 3

workpieces area is indicated in green



## **DATA OUTPUT CABLES (KEYBOARD FORMAT)**







7302-40M

- Recognized as HID keyboard device by computer, no need to install drivers and softwares
- Data can be transmitted to Excel, Word, txt and other files(press transmit button, which is recognized by the computer as keyboard input data and press enter, such as 12.34∠)
- Suitable for any softwares which can receive keyboard signal
- Optional accessory: foot switch (code: 7304-2), hub (code: 7324-HUB4, 7324-HUB7) extension cables (code: 7325-ADD5, 7325-ADD10)



Code	Description	Plug to product	Plug to computer	Applicable products
7302-21	cable for digital calipers (length 3m)	transmit button		digital calipers and digital depth gages
7302-22	cable for large digital calipers (length 2.5m)	-111		large digital calipers (range ≤1000mm) and digital height gages
7302-30	cable for digital micrometers (length 2.5m)			digital micrometers
7302-40M	cable for digital indicators (length 2.5m)			digital indicators
7302-50M	cable for digital gages (length 2.5m)	-111		digital thickness gages and digital internal/external caliper gages
7302-60	cable for high precision digital indicators (length 2.5m)			2140-6 and 2133 series high precision digital indicators 3350 series high precision digital micrometers/snap gages



# DATA OUTPUT CABLES (TEXT FORMAT, VIRTUAL COM PORT)









■ Optional accessory: foot switch (code: **7304-2**), hub (code: 7324-HUB4, 7324-HUB7)

### Single transmission (can be switched to continuous transmission)

Code	Description	Plug to product	Plug to computer	Applicable products
7305-21	cable for - digital calipers			1558 1559 A
7305-R21	(length 3m)	transmit button		digital calipers and digital depth gages
7305-22	cable for large digital calipers	111		8660
7305-R22	(length 2.5m)			large digital calipers (range ≤1000mm) and digital height gages
7305-30	cable for digital micrometers	###_		IPOS CONTRACTOR OF THE PARTY OF
7305-R30	(length 2.5m)			digital micrometers
7305-50M	cable for - digital gages			
7305-R50M	(length 2.5m)			digital thickness gages and digital internal/external caliper gages

To be continued



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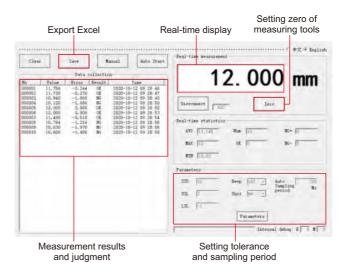
#### Continuous transmission (can be switched to single transmission)

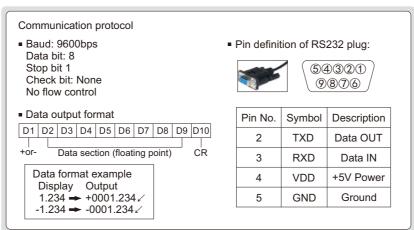
Code	Description	Plug to product	Plug to computer	Applicable products
7305-40M*	cable for digital indicators	-nt (B)		
7305-R40M*	(length 2.5m)			digital indicators

<sup>\*</sup>Long press transmission button or foot switch to zero the digital indicators

### Software (included in 7305-40M and 7305-R40M)

- Real-time display
- Tolerance setting, automatic judgment, out-of-tolerance alarm
- Real time statistics: max, min, average, Go/No-Go number
- Data transmission: single transmission with button on cable/foot switch, single transmission operated on computer, continuous transmission operated on computer
- Can save results as EXCEL





### **EXTENSION CABLES**





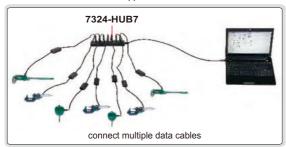
Code	Description	Applicable products
7325-ADD5	Data extension cable (length 5m, USB plug)	7302 series data cables
7325-ADD10	Data extension cable (length 10m, USB plug)	7305 series data cables (USB plug)

<sup>\*</sup>Supplied with software



### **HUBS**

application







■ Suitable for USB plug data cable

Code	Description	Applicable products
7324-HUB4	4-channel hub (length 0.2m, USB computer plug)	7302 series data cables
7324-HUB7	7-channel hub (length 1m, USB computer plug)	7305 series data cables (USB plug)

### **FOOT SWITCH**



■ For data transmission

7304-2

Code	Description	Applicable products
7304-2	data transmission foot switch with cable (length 2m)	7302 series data cables 7305 series data cables



### **BLUETOOTH RECEIVER**



7322-01

- Connect to computer USB interface Transmission distance is 10 meter

The state of the s
bluetooth receiver

Code	Applicable products			
7322-01	100	1127 series built-in bluetooth digital calipers		<b>1542</b> series built-in bluetooth digital depth gages