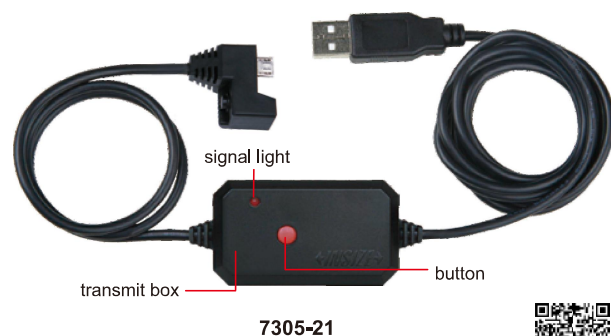


DATA OUTPUT CABLES (TEXT FORMAT, VIRTUAL COM PORT)

1) Data output cables with transmit box

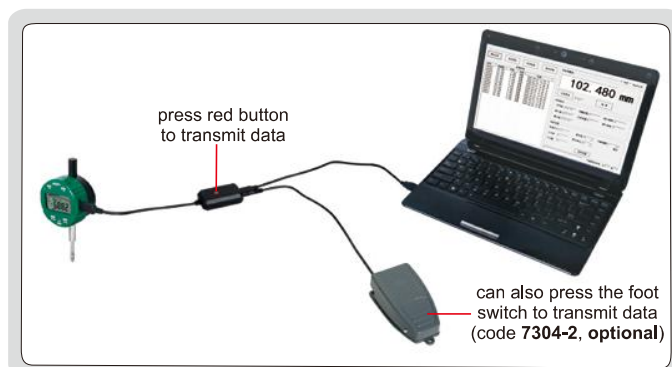


7305-21











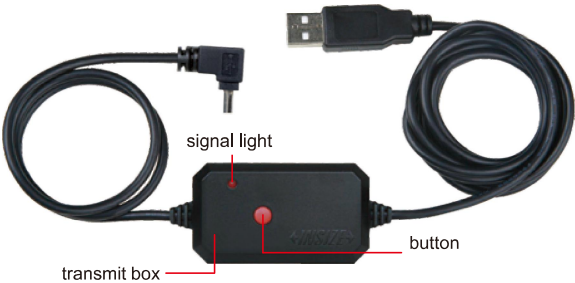
Single transmit (can be switched to continuous transmit)

application





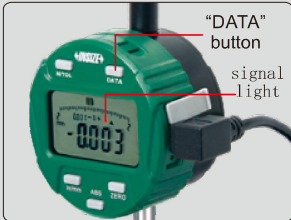

Code	Description	Plug to measuring tool	Plug to computer	Connecting with measuring tool	Transmit data
7305-21	cable for digital calipers (length 3m)				<ul style="list-style-type: none"> Press the button on the plug of cable, can also press the button of the transmit box, or press the foot switch Data is transmitted once, the signal light of the transmit box flashes once
7305-R21					
7305-22	cable for large digital calipers (length 2.5m)				<ul style="list-style-type: none"> Press the button of the transmit box, or press the foot switch Data is transmitted once, the signal light of the transmit box flashes once
7305-R22					
7305-30	cable for digital micrometers (length 2.5m)				<ul style="list-style-type: none"> Press the "data" button of digital micrometer, can also press the button of the transmit box, or press the foot switch Data is transmitted once, the signal light of the transmit box flashes once, at the same time, the signal light on the digital micrometer flashes once
7305-R30				 for 3102, 3128, 3565 series digital micrometers	
7305-31	cable for digital micrometers (length 2.5m)				<ul style="list-style-type: none"> Press the "data" button of digital micrometer, can also press the button of the transmit box, or press the foot switch Data is transmitted once, the signal light of the transmit box flashes once, at the same time, the signal light on the digital micrometer flashes once
7305-R31					





Code	Description	Plug to measuring tool	Plug to computer	Connecting with measuring tool	Transmit data
7305-50M	cable for digital gauges (length 2.5m)				<ul style="list-style-type: none"> Press the button of the transmit box, or press the foot switch Data is transmitted once, the signal light of the transmit box flashes once
7305-R50M					
7305-1150	cable for digital height gauges (length 2.5m)				<ul style="list-style-type: none"> Press the button of the transmit box, or press the foot switch Data is transmitted once, the signal light of the transmit box flashes once
7305-R1150					



7305-40M

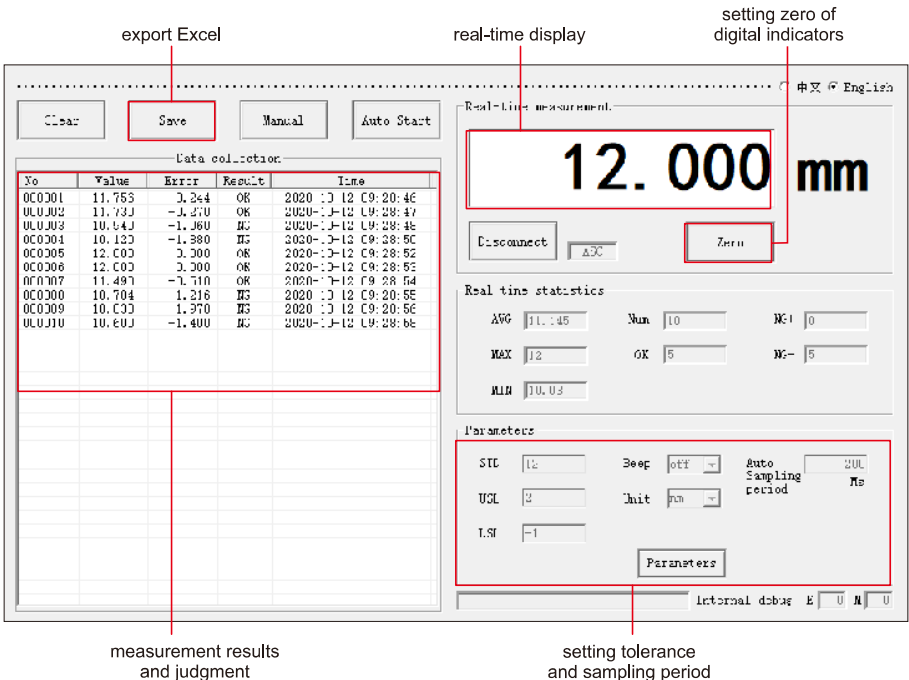
Continuous transmit (can be switched to single transmit)

Code	Description	Plug to measuring tool	Plug to computer	Connecting with measuring tool	Transmit data
7305-40M	cable for digital indicators (length 2.5m)			 <p>for 2108, 2138, 2139 series digital indicators</p>	<p>Continuous transmit is controlled in software</p> <p>Single transmit:</p> <ul style="list-style-type: none"> Press the “DATA” button of digital indicator, can also press the button of the transmit box, or press the foot switch Data is transmitted once, the signal light of the transmit box flashes once, at the same time, the signal light on digital indicator flashes once <p>Note: long press button to zero the digital indicators; software of data transmit is included</p>
				 <p>for other digital indicators</p>	<p>Continuous transmit is controlled in software</p> <p>Single transmit:</p> <ul style="list-style-type: none"> Press the button of the transmit box, or press the foot switch Data is transmitted once, the signal light of the transmit box flashes once <p>Note: long press button to zero the digital indicators; software of data transmit is included</p>

Code	Description	Plug to measuring tool	Plug to computer	Connecting with measuring tool	Transmit data
7305-R40M	cable for digital indicators (length 2.5m)			 <p>for 2108, 2138, 2139 series digital indicators</p>	<p>Continuous transmit is controlled in software</p> <p>Single transmit:</p> <ul style="list-style-type: none"> Press the "DATA" button of digital indicator, can also press the button of the transmit box, or press the foot switch Data is transmitted once, the signal light of the transmit box flashes once, at the same time, the signal light on digital indicator flashes once <p>Note: long press button to zero the digital indicators; software of data transmit is included</p>
				 <p>for other digital indicators</p>	<p>Continuous transmit is controlled in software</p> <p>Single transmit:</p> <ul style="list-style-type: none"> Press the button of the transmit box, or press the foot switch Data is transmitted once, the signal light of the transmit box flashes once <p>Note: long press button to zero the digital indicators; software of data transmit is included</p>

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
- Can save results as Excel



The screenshot shows the software interface with the following components labeled:

- export Excel:** Points to the 'Save' button in the top toolbar.
- real-time display:** Points to the large digital display showing '12.000 mm'.
- setting zero of digital indicators:** Points to the 'Zero' button below the display.
- measurement results and judgment:** Points to the 'Data collection' table on the left.
- setting tolerance and sampling period:** Points to the 'Parameters' section at the bottom right.

Data collection table:

No	Value	Error	Result	Time
000001	11.763	0.244	OK	2020-12-12 09:20:46
000002	11.731	-1.370	OK	2020-12-12 09:20:47
000003	10.641	-1.160	NG	2020-12-12 09:20:48
000004	10.123	-1.380	NG	2020-12-12 09:20:50
000005	12.003	0.300	OK	2020-12-12 09:20:52
000006	12.003	0.300	OK	2020-12-12 09:20:53
000007	11.491	-1.710	OK	2020-12-12 09:20:54
000008	10.704	1.216	NG	2020-12-12 09:20:55
000009	10.003	1.370	NG	2020-12-12 09:20:56
000010	10.601	-1.400	NG	2020-12-12 09:20:58

Real-time statistics:

AVG	11.145	Num	10	NG+	0
MAX	12	OK	5	NG-	5
MIN	10.03				

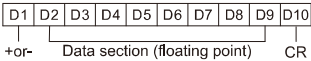
Parameters:

STD	12	Beep	off	Auto Sampling period	200
UCL	0	Unit	mm		ms
LSL	-1				

Internal debug: ☐ E ☐ U ☐ N ☐ U

- Baud: 9600bps
Data bit: 8
Stop bit 1
Check bit: None
No flow control

▪ Data output format



Data format example	
Display	Output
1.234	➡ +0001.234
-1.234	➡ -0001.234

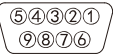
▪ Data output format with ID number



Data format example	
Display	Output
1.234	➡ 4109210605 +0001.234
-1.234	➡ 4109210605 -0001.234

- The data transmission mode can be switched:
single or continuous;
The data output format can be switched:
with ID number or without ID number;
Data can be transmitted by command;
The digital indicators can be zeroed by command

▪ Pin definition of RS232 plug:



Pin No.	Symbol	Description
2	TXD	Data OUT
3	RXD	Data IN
4	VDD	+5V Power
5	GND	Ground

2) Data output cables without transmit box



7305-G3350

application



Single transmit

Code	Description	Plug to measuring tool	Plug to computer	Connecting with measuring tool	Transmit data
7305-G60	cable for high precision digital indicators (length 3m)				▪ Press the “DATA” button of high precision digital indicator
7305-G3350	cable for digital micrometers (length 3m)				▪ Press the “DATA” button of digital micrometer

- Baud: 9600bps
Data bit: 8
Stop bit 1
Check bit: None
No flow control

▪ Data output format



Data format example	
Display	Output
1.234	➡ +0001.234
-1.234	➡ -0001.234

- Data can be transmitted by command
The digital indicators or micrometers can be zeroed by command