DATA OUTPUT CABLES (TEXT FORMAT, VIRTUAL COM PORT)

1) Data output cables with transmit box

application

signal light

button

transmit box

7305-21

press red button
to transmit data

can also press the foot
switch to transmit data
(code **7304-2**, **optional**)
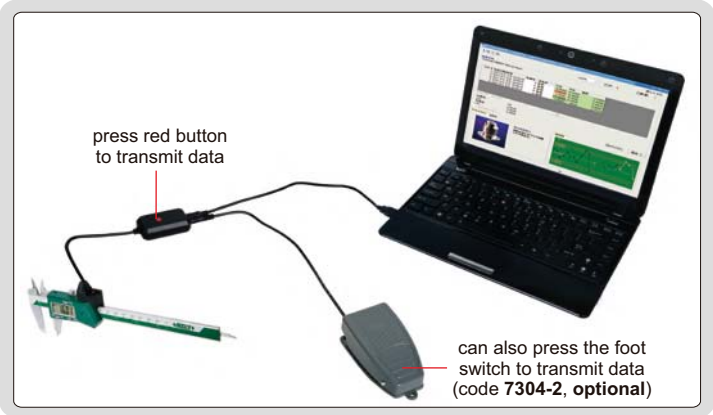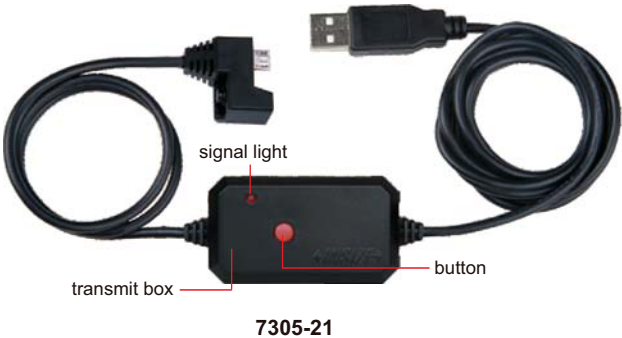
Single transmit (can be switched to continuous transmit)

Code	Description	Plug to measuring tool	Plug to computer	Connecting with measuring tool	Transmit data
7305-21 **7305-R21**	cable for digital calipers (length 3m)			button	▪ 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
7305-22 **7305-R22**	cable for large digital calipers (length 2.5m)				▪ 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
7305-30 **7305-R30**	cable for digital micrometers (length 2.5m)			signal light "data" button back for **3102**, **3128**, **3565** series digital micrometers	▪ 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
7305-31 **7305-R31**	cable for digital micrometers (length 2.5m)			"data" button signal light IP65 back	▪ 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

Code	Description	Plug to measuring tool	Plug to computer	Connecting with measuring tool	Transmit data
7305-50M	cable for digital gages (length 2.5m)				■ 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 gages (length 2.5m)				■ 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					

signal light

transmit box — button

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)			"DATA" button / signal light for **2108**, **2138**, **2139** series digital indicators	Continuous transmit is controlled in software Single transmit: ■ 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 Note: long press button to zero the digital indicators; software of data transmit is included
				  for other digital indicators	Continuous transmit is controlled in software Single transmit: ■ 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 Note: long press button to zero the digital indicators; software of data transmit is included

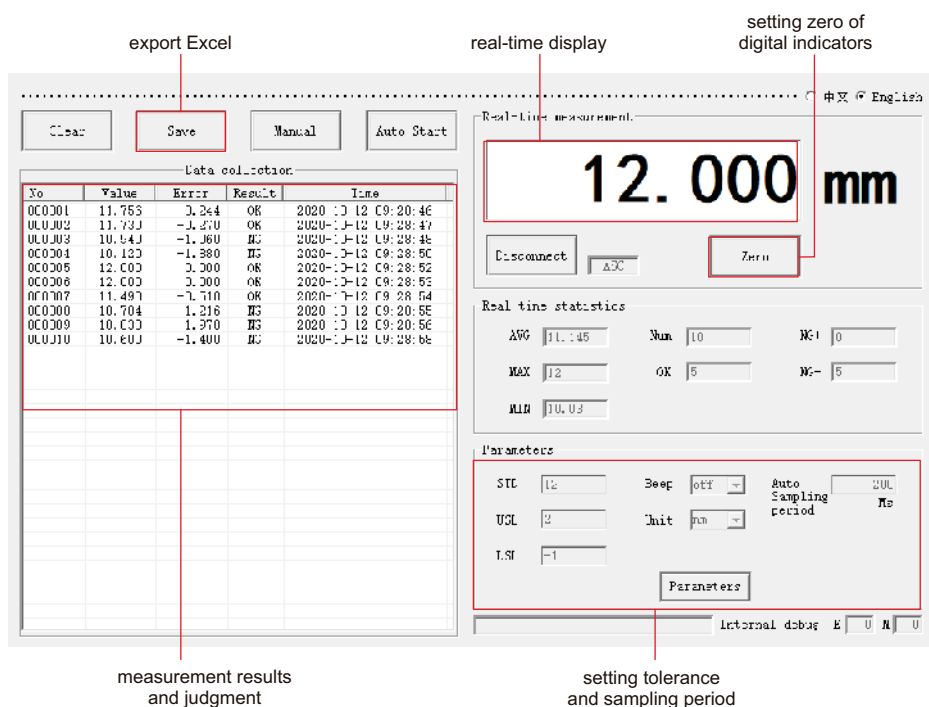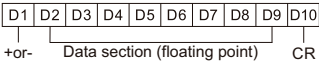| Code	Description	Plug to measuring tool	Plug to computer	Connecting with measuring tool	Transmit data
7305-R40M	cable for digital indicators (length 2.5m)			**"DATA"** button / signal light / for **2108**, **2138**, **2139** series digital indicators	Continuous transmit is controlled in software Single transmit: ■ 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 Note: long press transmit button to zero the digital indicators; software of data transmit is included
				for other digital indicators	Continuous transmit is controlled in software Single transmit: ■ 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 Note: long press button to zero the digital indicators; software of data transmit is included

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

■ Real-time display
■ Tolerance setting, automatic judgment, out-of-tolerance alarm
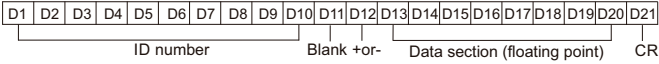■ Real time statistics: max, min, average, Go/No-Go number
■ Can save results as Excel

export Excel   real-time display   setting zero of digital indicators

measurement results and judgment   setting tolerance and sampling period

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

- Data output format

D1	D2	D3	D4	D5	D6	D7	D8	D9	D10

+or-　　Data section (floating point)　　CR

Data format example
Display		Output
1.234	→	+0001.234↙
-1.234	→	-0001.234↙

- Data output format with ID number

D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	D11	D12	D13	D14	D15	D16	D17	D18	D19	D20	D21

　　ID number　　　　Blank +or-　Data section (floating point)　CR

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 of digital indicators can be transmitted by instruction;
  The digital indicators can be zeroed by instruction

- Pin definition of RS232 plug:

⑤④③②①
⑨⑧⑦⑥
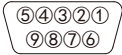
Pin No.	Symbol	Description
2	TXD	Data OUT
3	RXD	Data IN
4	VDD	+5V Power
5	GND	Ground

2) Data output cables without transmit box

application

7305-G3350

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)			"DATA" button	▪ Press the "DATA" button of high precision digital indicator
7305-G3350	cable for digital micrometers (length 3m)			"DATA" button	▪ Press the "DATA" button of digital micrometer

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

- Data output format

D1	D2	D3	D4	D5	D6	D7	D8	D9	D10

+or-　Data section (floating point)　CR
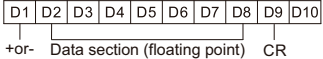
Data format example
Display		Output
1.234	→	+0001.234↙
-1.234	→	-0001.234↙

- Data of high precision digital indicators can be transmitted by instruction;
  The high precision digital indicators can be zeroed by instruction