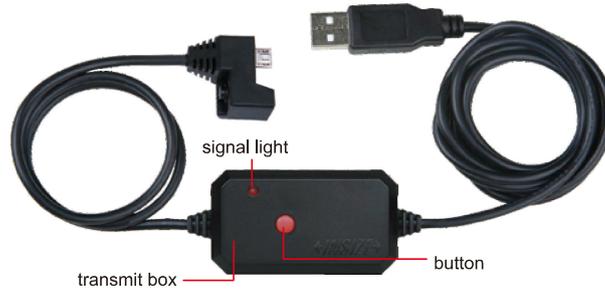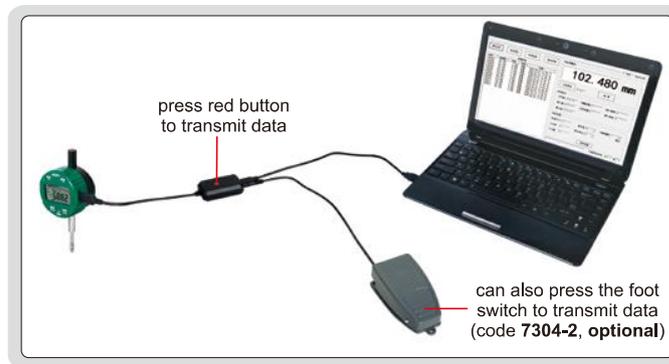# DATA OUTPUT CABLES (TEXT FORMAT, VIRTUAL COM PORT)

1) Data output cables with transmit box
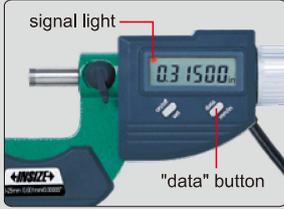

signal light

transmit box —

button

7305-21

application

press red button
to transmit data

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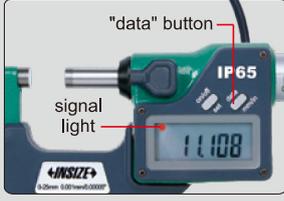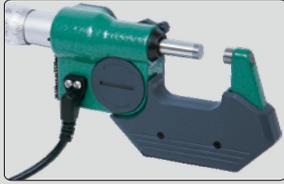switch to transmit data
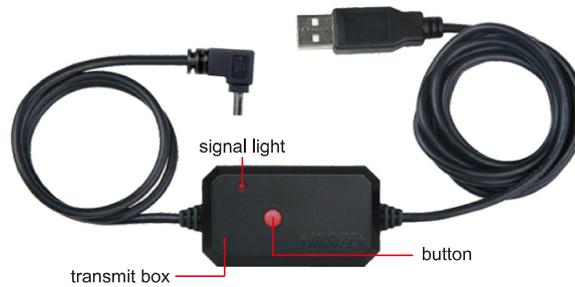(code **7304-2**, **optional**)

Single transmit (can be switched to continuous transmit)

Part No.	Description	Plug to measuring tool	Plug to computer	Connecting with measuring tool	Transmit data
7305-21	cable for digital calipers (length 120")			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-R21					
7305-22	cable for large digital calipers (length 100")				■ 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					

Part No.	Description	Plug to measuring tool	Plug to computer	Connecting with measuring tool	Transmit data
7305-30	cable for digital micrometers (length 100")		USB	signal light 0.31500 in "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-R30			RS232		
7305-31	cable for digital micrometers (length 100")		USB	"data" button IP65 signal light 11.108 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
7305-R31			RS232		
7305-50M	cable for digital gauges (length 100")		USB		■ 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			RS232		
7305-1150	cable for digital height gauges (length 100")		USB		■ 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			RS232		

signal light

button

transmit box

7305-40M

Continuous transmit (can be switched to single transmit)

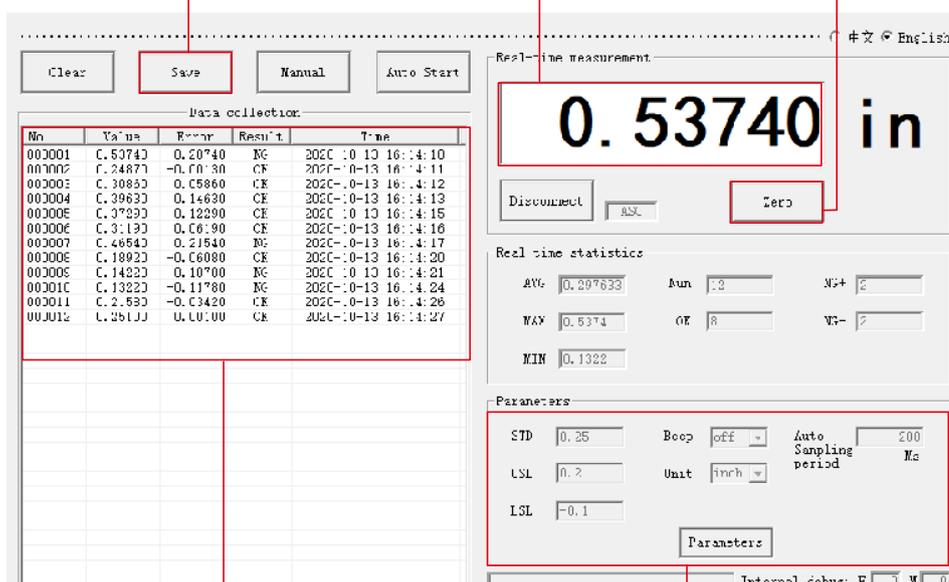| Part No.	Description	Plug to measuring tool	Plug to computer	Connecting with measuring tool	Transmit data
7305-40M	cable for digital indicators (length 100")			signal light "DATA" button for **2108**, **2138**, **2139** series digital indicators	Continuous transmit is controlled in software Single 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

Part No.	Description	Plug to measuring tool	Plug to computer	Connecting with measuring tool	Transmit data
7305-R40M	cable for digital indicators (length 100")			**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

signal light — "DATA" button

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
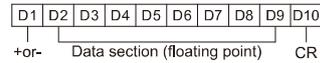
measurement results and judgment   setting tolerance and sampling period

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

- Data output format

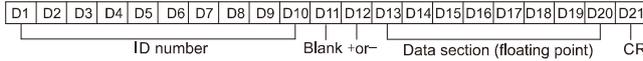| D1	D2	D3	D4	D5	D6	D7	D8	D9	D10

+or- Data section (floating point) CR

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

- Pin definition of RS232 plug:

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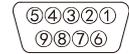
Pin No.	Symbol	Description
2	TXD	Data OUT
3	RXD	Data IN
4	VDD	+5V Power
5	GND	Ground

- 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 can be transmitted by command;
  The digital indicators can be zeroed by command

2) Data output cables without transmit box

application

7305-G3350

Single transmit

Part No.	Description	Plug to measuring tool	Plug to computer	Connecting with measuring tool	Transmit data
7305-G60	cable for high precision digital indicators (length 120")			"DATA" button	■ Press the "DATA" button of high precision digital indicator
7305-G3350	cable for digital micrometers (length 120")			"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
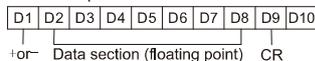
Data format example
Display   Output
1.234 → +0001.234
-1.234 → -0001.234

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