

# HIGH PRECISION DIGITAL INDICATORS

DATA OUTPUT

Ø28MM STEM SUITABLE FOR REINFORCED CLAMPING

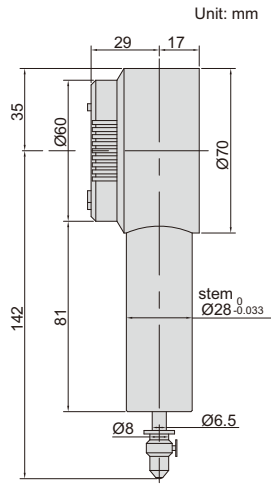
ABSOLUTE ENCODER, THE ORIGINAL DATA REMAINS AFTER POWER OFF

LINEAR BALL BEARINGS FOR TEN MILLION TIMES USE

ATTENTION: RECHARGEABLE BATTERY, FOR 24 HOURS CONTINUOUS WORKING

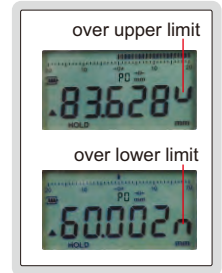


2140-6

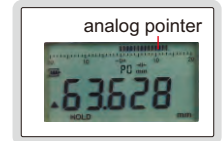


Unit: mm

warning when over tolerance

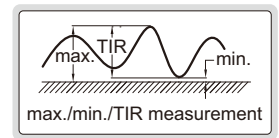


analog pointer



- Linear ball bearings for ten million times use
- Ø28mm stem suitable for reinforced clamping
- Absolute encoder, the original data remains after power off
- Adjustable resolution: 0.0002mm/0.00001"  
0.001mm/0.00005"  
0.01mm/0.0005"
- Reading in digital and analog
- Button function: data output, tolerance, data preset, data hold, measuring direction change, max./min./TIR, power off time, on/off, mm/inch, adjust resolution
- Power: rechargeable battery, for 24 hours continuous working
- Ruby probe

max./min./TIR



wireless receiver  
2134-R1, 2134-R2 (optional)



### With data interface

Optional accessory:  
wireless transmitter, code 7315-3350, wireless receiver, code 7315-2, 7315-3  
data output cable (keyboard format), code 7302-3350  
data output cable (serial port format), code 7305-G60  
(cable length 3m, optional cable length maximum 15m; RS232 protocol, optional RS485 protocol)

Code	Range	Accuracy	Hysteresis	Remark
2140-6	0-6mm/0-0.24"	1.6µm	0.8µm	flat back

### Built-in wireless

Optional accessory:  
wireless receiver (keyboard format, connect up to 15 digital indicators), code 2134-R1  
wireless receiver (serial port format, connect up to 15 digital indicators), code 2134-R2

Code	Range	Accuracy	Hysteresis	Remark
2140-6WL	0-6mm/0-0.24"	1.6µm	0.8µm	flat back

LINEAR BALL BEARINGS  
FOR TEN MILLION TIMES USE

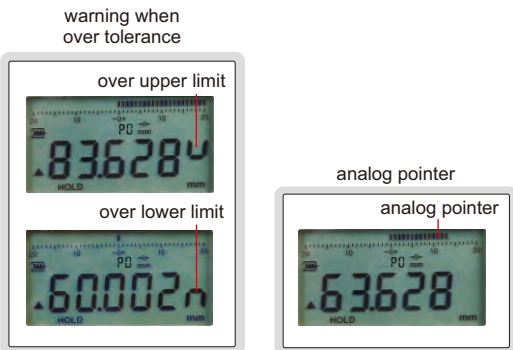
ABSOLUTE ENCODER, THE ORIGINAL  
DATA REMAINS AFTER POWER OFF

DATA  
OUTPUT

ATTENTION: RECHARGEABLE BATTERY,  
FOR 24 HOURS CONTINUOUS WORKING

**INSPECTION  
CERTIFICATE**  
TRACEABLE TO NIST

## HIGH PRECISION DIGITAL INDICATORS



2133-10

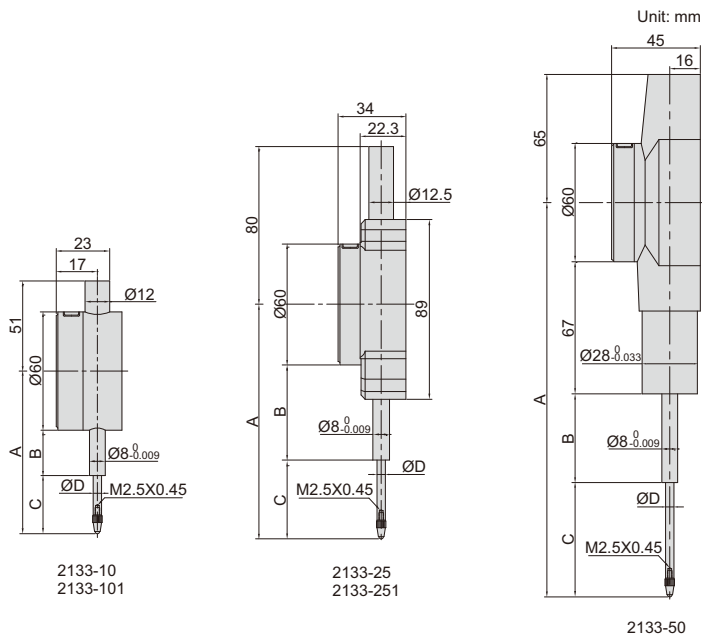


2133-25



2133-50

- Linear ball bearings for ten million times use
- Absolute encoder, the original data remains after power off
- Reading in digital and analog
- Data output
- Button function: data output, tolerance, data preset, data hold, measuring direction change, max./min./TIR, power off time, on/off, mm/inch, adjust resolution
- Power: rechargeable battery, for 24 hours continuous working
- Optional accessory: contact points (page 164~166) wireless transmitter, code **7315-60** data output cable (keyboard format), code **7302-60** data output cable (serial port format), code **7305-G60** (cable length 3m, optional cable length maximum 15m; RS232 protocol, optional RS485 protocol)



### Low precision

Carbide probe  
Adjustable resolution: 0.0005mm/0.00002"  
0.001mm/0.00005"  
0.01mm/0.0005"

Code	Range	Accuracy	Hysteresis	A	B	C	ØD	Remark
2133-10 *	12.7mm/0.5"	3µm	1.5µm	75.4mm	20.6mm	24.8mm	5mm	flat back
2133-25 *	25.4mm/1"	3µm	1.5µm	109.5mm	38.5mm	41mm	5mm	flat back
2133-50 *	50.8mm/2"	3µm	1.5µm	201mm	32mm	72mm	4.5mm	flat back

### High precision

Ruby probe  
Adjustable resolution: 0.0002mm/0.00001"  
0.001mm/0.00005"  
0.01mm/0.0005"

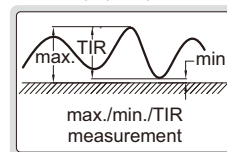
Code	Range	Accuracy	Hysteresis	A	B	C	ØD	Remark
2133-101 *	12.7mm/0.5"	1.5µm	1µm	77.4mm	26mm	21.4mm	4mm	flat back
2133-251 *	25.4mm/1"	1.8µm	1µm	116.1mm	42.5mm	44mm	4mm	flat back

\* Supplied with manufacturer inspection certificate traceable to NIST USA

spindle lift knob is included



max./min./TIR



## WIRELESS HIGH PRECISION DIGITAL INDICATORS

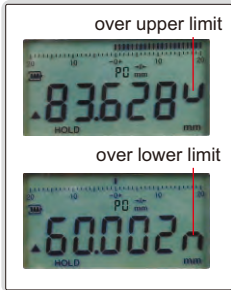
ATTENTION: RECHARGEABLE BATTERY, FOR 24 HOURS CONTINUOUS WORKING

LINEAR BALL BEARINGS FOR TEN MILLION TIMES USE

ABSOLUTE ENCODER, THE ORIGINAL DATA REMAINS AFTER POWER OFF

**INSPECTION CERTIFICATE**  
TRACEABLE TO NIST

warning when over tolerance

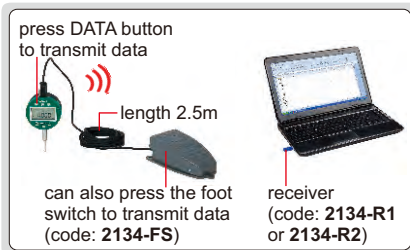


analog pointer



7

transmit data



2134-10



2134-25



2134-50

- Built-in wireless transmission, ZigBee single
- Linear ball bearings for ten million times use
- Absolute encoder, the original data remains after power off
- Reading in digital and analog
- Button function: data output, tolerance, data preset, data hold, measuring direction change, max./min./TIR, power off time, on/off, mm/inch, adjust resolution
- Power: rechargeable battery, for 24 hours continuous working
- Optional accessory: contact points (page 164~166) foot switch, code: **2134-FS** wireless receiver, code: **2134-R1** (keyboard format, connect up to 15 digital indicators) **2134-R2** (serial port format, connect up to 15 digital indicators)

### Low precision

Carbide probe

Adjustable resolution: 0.0005mm/0.00002"  
0.001mm/0.00005"  
0.01mm/0.0005"

Code	Range	Accuracy	Hysteresis	A	B	C	ØD	Remark
2134-10*	12.7mm/0.5"	3µm	1.5µm	75.4mm	20.6mm	24.8mm	5mm	flat back
2134-25*	25.4mm/1"	3µm	1.5µm	109.5mm	38.5mm	41mm	5mm	flat back
2134-50*	50.8mm/2"	3µm	1.5µm	201mm	32mm	72mm	4.5mm	flat back

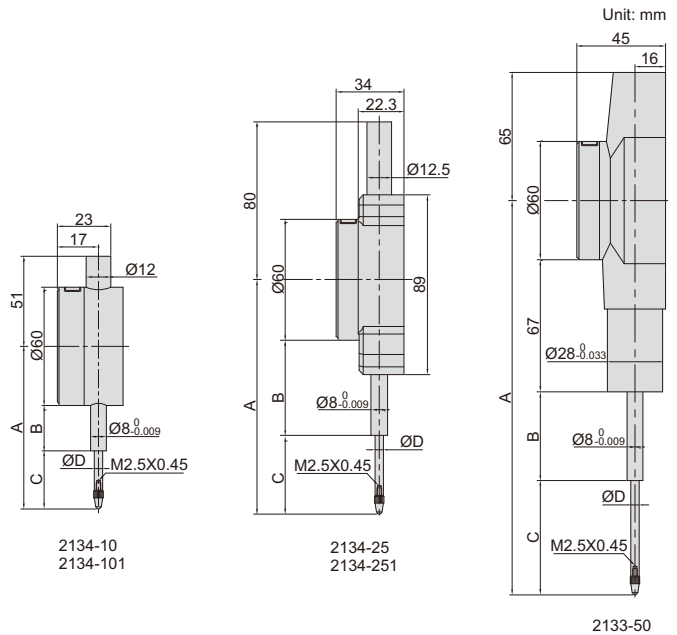
### High precision

Ruby probe

Adjustable resolution: 0.0002mm/0.00001"  
0.001mm/0.00005"  
0.01mm/0.0005"

Code	Range	Accuracy	Hysteresis	A	B	C	ØD	Remark
2134-101*	12.7mm/0.5"	1.5µm	1µm	77.4	26	21.4	4	flat back
2134-251*	25.4mm/1"	1.8µm	1µm	116.1	42.5	44	4	flat back

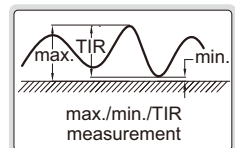
\* Supplied with manufacturer inspection certificate traceable to NIST USA



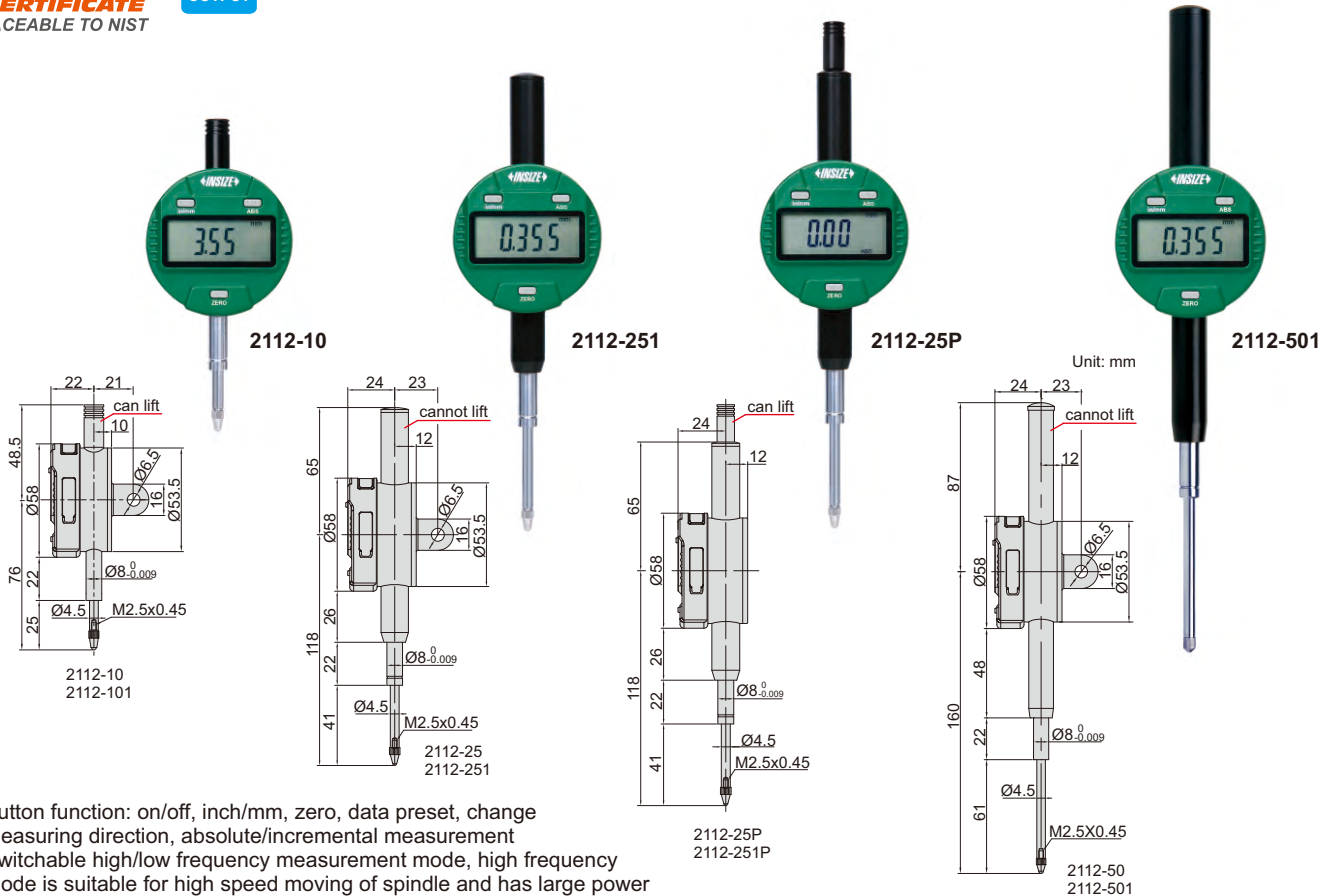
spindle lift knob is included



max./min./TIR



## DIGITAL INDICATORS (STANDARD TYPE)



- Button function: on/off, inch/mm, zero, data preset, change measuring direction, absolute/incremental measurement
- Switchable high/low frequency measurement mode, high frequency mode is suitable for high speed moving of spindle and has large power consumption, low power consumption in low frequency mode
- Keep preset data in memory after restart
- CR2032 battery, automatic power off (time is adjustable)
- Data output
- Optional accessory: data output cable (code **7315-50M**, **7302-40M**, **7305-40M**), backs (page 167~168), contact points (page 164~166)

### Resolution 0.001mm/0.00005"

Code	Range	Accuracy	Hysteresis	Maximum measuring force	Remark
<b>2112-101F*</b>	12.7mm/0.5"	5µm	2µm	1.5N	flat back
<b>2112-251F*</b>	25.4mm/1"	5µm	3µm	2.2N	flat back
<b>2112-501F*</b>	50.8mm/2"	6µm	3µm	2.5N	flat back
<b>2112-101*</b>	12.7mm/0.5"	5µm	2µm	1.5N	lug back
<b>2112-251*</b>	25.4mm/1"	5µm	3µm	2.2N	lug back
<b>2112-501*</b>	50.8mm/2"	6µm	3µm	2.5N	lug back
<b>2112-251P*</b>	25.4mm/1"	5µm	3µm	2.2N	flat back, with lift cap
<b>2112-501P*</b>	50.8mm/2"	6µm	3µm	2.5N	flat back, with lift cap

### Resolution 0.01mm/0.0005"

Code	Range	Accuracy	Hysteresis	Maximum measuring force	Remark
<b>2112-10F*</b>	12.7mm/0.5"	20µm	10µm	1.5N	flat back
<b>2112-25F*</b>	25.4mm/1"	20µm	10µm	2.2N	flat back
<b>2112-50F*</b>	50.8mm/2"	30µm	10µm	2.5N	flat back
<b>2112-10*</b>	12.7mm/0.5"	20µm	10µm	1.5N	lug back
<b>2112-25*</b>	25.4mm/1"	20µm	10µm	2.2N	lug back
<b>2112-50*</b>	50.8mm/2"	30µm	10µm	2.5N	lug back
<b>2112-25P*</b>	25.4mm/1"	20µm	10µm	2.2N	flat back, with lift cap
<b>2112-50P*</b>	50.8mm/2"	30µm	10µm	2.5N	flat back, with lift cap

2112-251P/501P/25P/50P



spindle lift knob is included



\* Supplied with manufacturer inspection certificate traceable to NIST USA

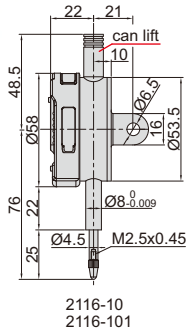
# METRIC DIGITAL INDICATORS

DATA  
OUTPUT

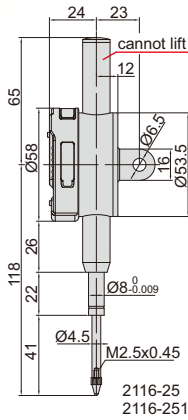
**INSPECTION  
CERTIFICATE**  
TRACEABLE TO NIST



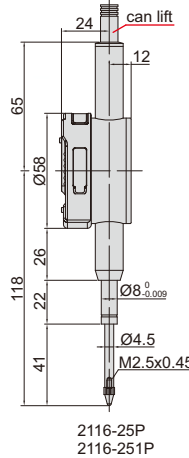
2116-10



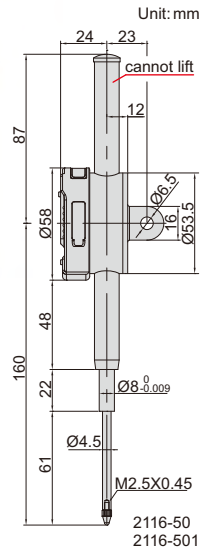
2116-251



2116-25P



2116-501



- Button function: on/off, zero, data preset, change measuring direction, absolute/incremental measurement
- Switchable high/low frequency measurement mode, high frequency mode is suitable for high speed moving of spindle and has large power consumption, low power consumption in low frequency mode
- Keep preset data in memory after restart
- CR2032 battery, automatic power off (time is adjustable)
- Data output
- Optional accessory: data output cable (code 7315-50M, 7302-40M, 7305-40M), backs (page 167~168), contact points (page 164~166)

## Resolution 0.001mm

Code	Range	Accuracy	Hysteresis	Maximum measuring force	Remark
2116-101F*	12.7mm	5µm	2µm	1.5N	flat back
2116-251F*	25.4mm	5µm	3µm	2.2N	flat back
2116-501F*	50.8mm	6µm	3µm	2.5N	flat back
2116-101*	12.7mm	5µm	2µm	1.5N	lug back
2116-251*	25.4mm	5µm	3µm	2.2N	lug back
2116-501*	50.8mm	6µm	3µm	2.5N	lug back
2116-251P*	25.4mm	5µm	3µm	2.2N	flat back, with lift cap
2116-501P*	50.8mm	6µm	3µm	2.5N	flat back, with lift cap

## Resolution 0.01mm

Code	Range	Accuracy	Hysteresis	Maximum measuring force	Remark
2116-10F*	12.7mm	20µm	10µm	1.5N	flat back
2116-25F*	25.4mm	20µm	10µm	2.2N	flat back
2116-50F*	50.8mm	30µm	10µm	2.5N	flat back
2116-10*	12.7mm	20µm	10µm	1.5N	lug back
2116-25*	25.4mm	20µm	10µm	2.2N	lug back
2116-50*	50.8mm	30µm	10µm	2.5N	lug back
2116-25P*	25.4mm	20µm	10µm	2.2N	flat back, with lift cap
2116-50P*	50.8mm	30µm	10µm	2.5N	flat back, with lift cap

\*Supplied with manufacturer inspection certificate traceable to NIST USA

2116-251P/501P/25P/50P



spindle lift knob is included



DATA  
OUTPUT

**INSPECTION  
CERTIFICATE**  
TRACEABLE TO NIST

## DIGITAL INDICATORS (ADVANCED TYPE)

7



2103-10



2104-25



2104-25P



2103-50

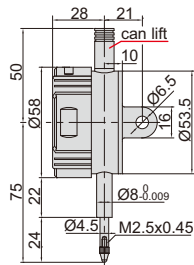


analog pointer

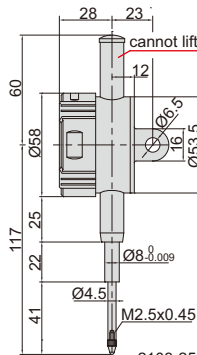
analog pointer



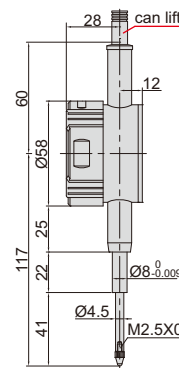
spindle lift knob is included



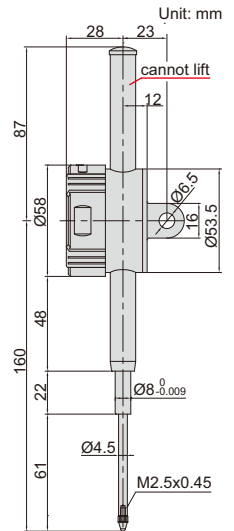
2103-10  
2104-10



2103-25  
2104-25



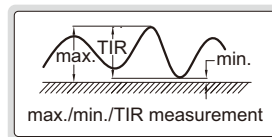
2103-25P  
2104-25P



2103-50  
2104-50

- Reading in digital and analog
- Display can be rotated by 320°
- Button function: tolerance Go and No-Go display, data preset, measuring direction change, max./min./TIR measurement, inch/metric conversion, absolute/incremental measurement
- Keep preset data and tolerance data in memory after restart
- CR2032 battery, automatic power off (time is adjustable), data output
- Optional accessory: data output cable (code **7315-50M**, **7302-40M**, **7305-40M**), backs (page 167~168), contact points (page 164~166)

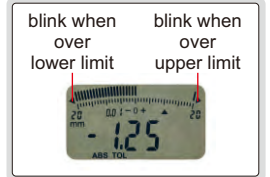
max./min./TIR



### Resolution 0.001mm/0.0005"

Code	Range	Accuracy	Hysteresis	Maximum measuring force	Remark
2103-10F*	12.7mm/0.5"	5µm	2µm	1.5N	flat back
2103-25F*	25.4mm/1"	5µm	3µm	2.2N	flat back
2103-50F*	50.8mm/2"	6µm	3µm	2.5N	flat back
2103-10*	12.7mm/0.5"	5µm	2µm	1.5N	lug back
2103-25*	25.4mm/1"	5µm	3µm	2.2N	lug back
2103-50*	50.8mm/2"	6µm	3µm	2.5N	lug back
2103-25P*	25.4mm/1"	5µm	3µm	2.2N	flat back, with lift cap
2103-50P*	50.8mm/2"	6µm	3µm	2.5N	flat back, with lift cap

warning when over tolerance



### Resolution 0.01mm/0.0005"

Code	Range	Accuracy	Hysteresis	Maximum measuring force	Remark
2104-10F*	12.7mm/0.5"	20µm	10µm	1.5N	flat back
2104-25F*	25.4mm/1"	20µm	10µm	2.2N	flat back
2104-50F*	50.8mm/2"	30µm	10µm	2.5N	flat back
2104-10*	12.7mm/0.5"	20µm	10µm	1.5N	lug back
2104-25*	25.4mm/1"	20µm	10µm	2.2N	lug back
2104-50*	50.8mm/2"	30µm	10µm	2.5N	lug back
2104-25P*	25.4mm/1"	20µm	10µm	2.2N	flat back, with lift cap
2104-50P*	50.8mm/2"	30µm	10µm	2.5N	flat back, with lift cap

2103-25P/50P  
2104-25P/50P



display can be rotated by 320°



pull lift cap to lift point

\* Supplied with manufacturer inspection certificate traceable to NIST USA

## DIGITAL INDICATORS (WITH TRANSMISSION BUTTON AND SIGNAL LIGHT)

DATA OUTPUT

**INSPECTION CERTIFICATE**  
TRACEABLE TO NIST



2138-10

press the button to transmit data  
data transmission signal light



2139-25

press the button to transmit data  
data transmission signal light



2139-25P

press the button to transmit data  
data transmission signal light



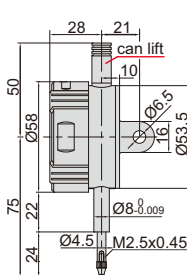
2138-50

press the button to transmit data  
data transmission signal light

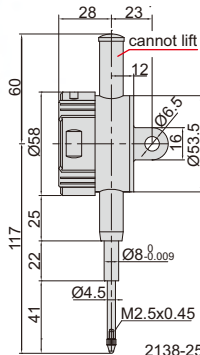
7



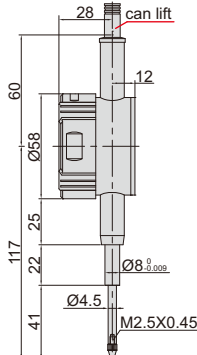
display can be rotated by 320°



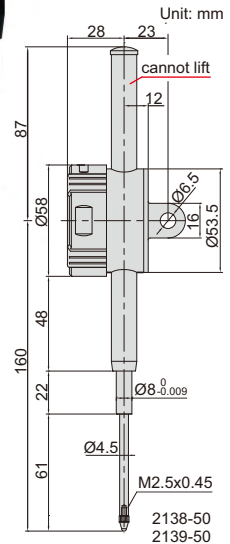
2138-10  
2139-10



2138-25  
2139-25



2138-25P  
2139-25P



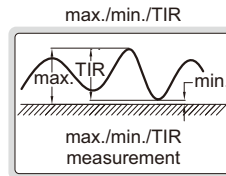
Unit: mm

cannot lift

cannot lift

cannot lift

- Reading in digital and analog
- Display can be rotated by 320°
- Button function: on/off, zero, tolerance Go and No-Go display, data preset, measuring direction change, max./min./TIR measurement, inch/metric conversion, absolute/incremental measurement, data output
- Keep preset data and tolerance data in memory after restart
- CR2032 battery, automatic power off (time is adjustable)
- Data output
- Optional accessory: data output cable (code **7315-50M**, **7302-40M**, **7305-40M**), backs (page 167~168), contact points (page 164~166)



max./min./TIR

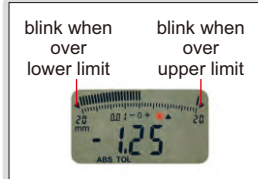
max./min./TIR measurement



### Resolution 0.001mm/0.0005"

Code	Range	Accuracy	Hysteresis	Maximum measuring force	Remark
2138-10F*	12.7mm/0.5"	5µm	2µm	1.5N	flat back
2138-25F*	25.4mm/1"	5µm	3µm	2.2N	flat back
2138-50F*	50.8mm/2"	6µm	3µm	2.5N	flat back
2138-10*	12.7mm/0.5"	5µm	2µm	1.5N	lug back
2138-25*	25.4mm/1"	5µm	3µm	2.2N	lug back
2138-50*	50.8mm/2"	6µm	3µm	2.5N	lug back
2138-25P*	25.4mm/1"	5µm	3µm	2.2N	flat back, with lift cap
2138-50P*	50.8mm/2"	6µm	3µm	2.5N	flat back, with lift cap

warning when over tolerance



### Resolution 0.01mm/0.0005"

Code	Range	Accuracy	Hysteresis	Maximum measuring force	Remark
2139-10F*	12.7mm/0.5"	20µm	10µm	1.5N	flat back
2139-25F*	25.4mm/1"	20µm	10µm	2.2N	flat back
2139-50F*	50.8mm/2"	30µm	10µm	2.5N	flat back
2139-10*	12.7mm/0.5"	20µm	10µm	1.5N	lug back
2139-25*	25.4mm/1"	20µm	10µm	2.2N	lug back
2139-50*	50.8mm/2"	30µm	10µm	2.5N	lug back
2139-25P*	25.4mm/1"	20µm	10µm	2.2N	flat back, with lift cap
2139-50P*	50.8mm/2"	30µm	10µm	2.5N	flat back, with lift cap

analog pointer



spindle lift knob is included

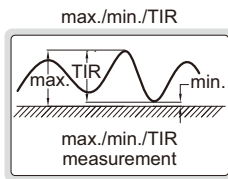
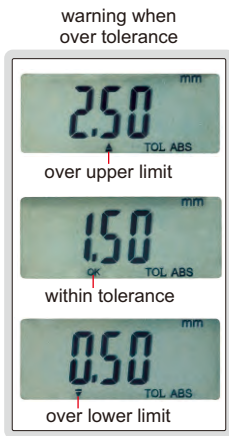


2138-25P/50P  
2129-25P/50P

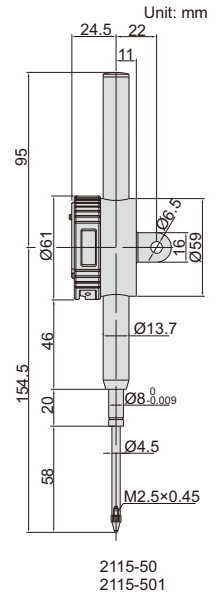
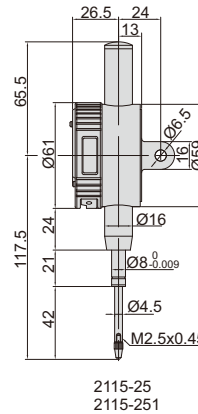
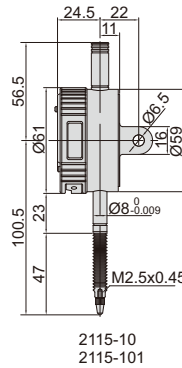
pull lift cap to lift point



\*Supplied with manufacturer inspection certificate traceable to NIST USA



- Dust/waterproof
- Button function: on/off, zero, mm/inch, data preset, tolerance, change measuring direction, max./min./TIR measurement, absolute/incremental measurement
- Keep preset data and tolerance data in memory after restart
- CR2032 battery, automatic power off
- Data output
- Optional accessory: data output cable (code 7315-50M, 7302-40M, 7305-40M), backs (page 167~168), contact points (page 164~166)



**Resolution 0.001mm/0.00005"**

Code	Range	Dust/waterproof	Accuracy	Hysteresis	Remark
2115-101 *	12.7mm/0.5"	IP65	5µm	2µm	lug back
2115-251 *	25.4mm/1"	IP54	5µm	3µm	lug back
2115-501 *	50.8mm/2"	IP54	6µm	3µm	lug back
2115-101F *	12.7mm/0.5"	IP65	5µm	2µm	flat back
2115-251F *	25.4mm/1"	IP54	5µm	3µm	flat back
2115-501F *	50.8mm/2"	IP54	6µm	3µm	flat back

**Resolution 0.01mm/0.0005"**

Code	Range	Dust/waterproof	Accuracy	Hysteresis	Remark
2115-10 *	12.7mm/0.5"	IP65	20µm	10µm	lug back
2115-25 *	25.4mm/1"	IP54	20µm	10µm	lug back
2115-50 *	50.8mm/2"	IP54	30µm	10µm	lug back
2115-10F *	12.7mm/0.5"	IP65	20µm	10µm	flat back
2115-25F *	25.4mm/1"	IP54	20µm	10µm	flat back
2115-50F *	50.8mm/2"	IP54	30µm	10µm	flat back

\* Supplied with manufacturer inspection certificate traceable to NIST USA



## ADJUSTABLE COEFFICIENT DIGITAL INDICATORS

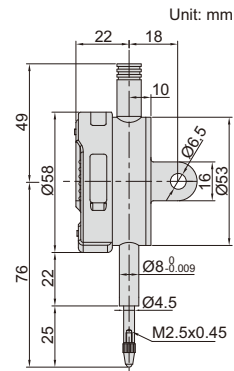
**INSPECTION CERTIFICATE**  
TRACEABLE TO NIST

DATA OUTPUT

- DISPLAY READING = COEFFICIENT X SPINDLE MOVEMENT.  
The coefficient can be adjusted from 0 to 9.9999.  
For example, coefficient is 4.5562, spindle moves 3.60mm, display reading is  $4.5562 \times 3.60 = 16.40\text{mm}$
- Button function: on/off, zero, data preset, inch/mm, coefficient set, measuring direction change
- Switchable high/low frequency measurement mode, high frequency mode is suitable for high speed moving of spindle and has large power consumption, low power consumption in low frequency mode
- Keep preset data in memory after restart
- CR2032 battery, automatic power off (time is adjustable)
- Data output
- Optional accessory: data output cable (code **7315-50M**, **7302-40M**, **7305-40M**), backs (page 167~168), contact points (page 164~166)



2501-10



spindle lift knob is included



Code	Range	Resolution	Accuracy	Hysteresis	Remark
2501-10*	12.7mm/0.5"	0.01mm/0.0005"	20µm	10µm	lug back
2501-10F*	12.7mm/0.5"	0.01mm/0.0005"	20µm	10µm	flat back

\*Supplied with manufacturer inspection certificate traceable to NIST USA

## DIGITAL INDICATORS FOR BORE GAGES (WITH TRANSMISSION BUTTON AND SIGNAL LIGHT)

DATA OUTPUT

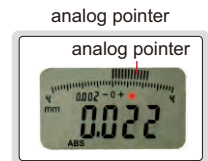
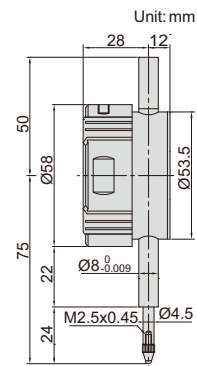
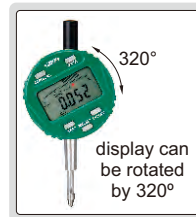
THE ORIGINAL DATA REMAINS AFTER POWER OFF

**INSPECTION CERTIFICATE**  
TRACEABLE TO NIST



2108-10F

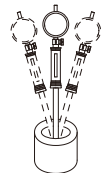
- Specially designed for bore gages
- The minimum value tracking function can find the diameter automatically
- Read the diameter directly, after inputting the size of setting ring
- Reading in digital and analog
- Display can be rotated by 320°
- Button function: on/off, minimum value tracking, calibration, data preset, inch/metric conversion
- Data remains after power off, no need to recalibrate after power on
- CR2032 battery, automatic power off (time is adjustable)
- Data output
- Optional accessory: data output cable (code **7315-50M**, **7302-40M**, **7305-40M**), backs (page 167~168), contact points (page 164~166), spindle lift knob (code **7332**)



read the diameter directly, after inputting the size of setting ring.



the minimum value tracking function can find the diameter automatically.



Code	Range	Resolution	Accuracy	Hysteresis	Remark
2108-10F*	12.7mm/0.5"	0.002mm/0.0001" (can switch to: 0.01mm/0.0005")	20µm	10µm	flat back
2108-101F*	12.7mm/0.5"	0.001mm/0.00005"	5µm	2µm	flat back

\*Supplied with manufacturer inspection certificate traceable to NIST USA

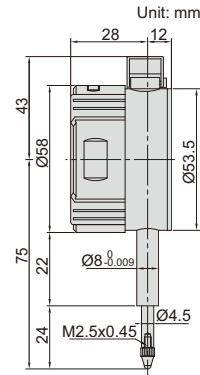


VIDEO

## DIGITAL INDICATORS WITH LIFTING LEVER



2109-10

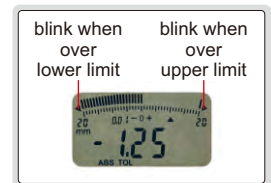


- Reading in digital and analog
- Display can be rotated by 320°
- Button function: tolerance Go and No-Go display, data preset, measuring direction change, max./min./TIR measurement, inch/metric conversion, absolute/incremental measurement
- Keep preset data and tolerance data in memory after restart
- CR2032 battery, automatic power off (time is adjustable)
- Data output
- Optional accessory: data output cable (code 7315-50M, 7302-40M, 7305-40M), backs (page 167~168), contact points (page 164~166)

analog pointer



warning when over tolerance



Code	Range	Resolution	Accuracy	Hysteresis	Remark
2109-10 *	10mm/0.4"	0.01mm/0.0005"	20µm	10µm	flat back
2109-101 *	10mm/0.4"	0.001mm/0.00005"	5µm	2µm	flat back

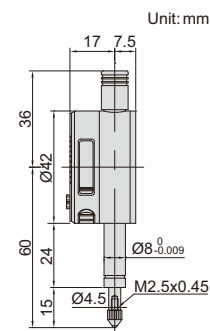
\* Supplied with manufacturer inspection certificate traceable to NIST USA

## COMPACT DIGITAL INDICATORS

- Button function:
  - in/mm: short press for inch/metric conversion
  - long press to change measuring direction
  - ABS: short press for absolute/incremental measurement
  - long press to preset data
  - 0/ON: short press to turn on when power is off
  - short press to set zero when power is on
  - long press to turn off
- Keep preset data in memory after restart
- CR1632 battery, automatic power off
- Data output
- Optional accessory: data output cable (code 7315-50M, 7302-40M, 7305-40M), contact points (page 164~166)



2114-51F



Code	Range	Resolution	Accuracy	Hysteresis	Remark
2114-5F *	5mm/0.2"	0.01mm/0.0005"	20µm	10µm	flat back
2114-51F *	5mm/0.2"	0.001mm/0.00005"	5µm	2µm	flat back

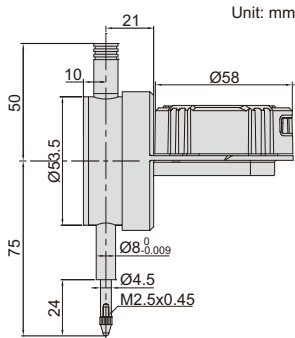
\* Supplied with manufacturer inspection certificate traceable to NIST USA

BACK PLUNGER TYPE DIGITAL INDICATORS

DATA  
OUTPUT

INSPECTION  
CERTIFICATE  
TRACEABLE TO NIST

7

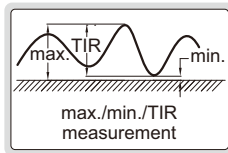


2118-10

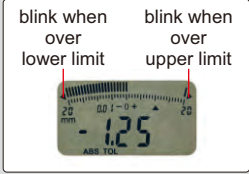
spindle lift knob  
is included



max./min./TIR



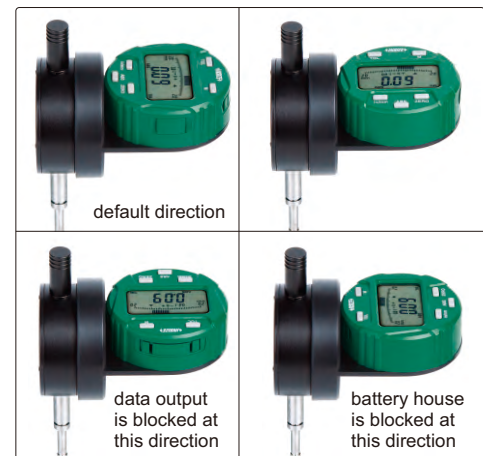
warning when over tolerance



analog pointer



display direction is changeable



remark: to change above direction, 4 fixing screws on the back of display need to be removed first.

display can rotate 320°



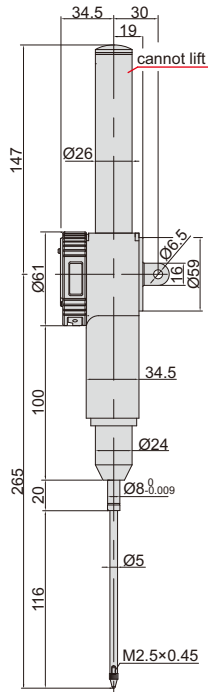
- Display can rotate 320°, and display direction is changeable
- Reading in digital and analog
- Button function: tolerance Go and No-Go display, data preset, measuring direction change, max./min./TIR measurement, inch/metric conversion, absolute/incremental measurement
- Keep preset data and tolerance data in memory after restart
- CR2032 battery, automatic power off (time is adjustable)
- Data output
- Optional accessory: data output cable (code 7315-50M, 7302-40M, 7305-40M), backs (page 167~168), contact points (page 164~166)

Code	Range	Resolution	Accuracy	Hysteresis	Remark
2118-10 *	12.7mm/0.5"	0.01mm/0.0005"	20µm	10µm	flat back
2118-101 *	12.7mm/0.5"	0.001mm/0.00005"	5µm	2µm	flat back

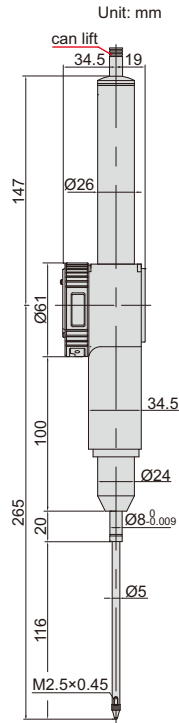
\* Supplied with manufacturer inspection certificate traceable to NIST USA

DATA  
OUTPUT

## LARGE STROKE DIGITAL INDICATORS



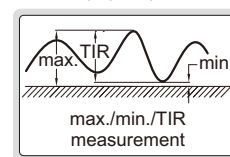
2117-100



2117-100P

- Button function: on/off, zero, mm/inch, data preset, tolerance, change measuring direction, max./min./TIR measurement, absolute/incremental measurement
- Keep preset data and tolerance data in memory after restart
- CR2032 battery, automatic power off
- Maximum measuring force: 3.2N
- Data output
- Optional accessory: data output cable (code 7315-50M, 7302-40M, 7305-40M), backs (page 167~168), contact points (page 164~166)

max./min./TIR



spindle lift knob is included



### Resolution 0.01mm/0.0005"

Code	Range	Accuracy	Hysteresis	Remark
2117-100	100mm/4"	30µm	10µm	lug back
2117-100P	100mm/4"	30µm	10µm	flat back, with lift cap

### Resolution 0.001mm/0.00005"

Code	Range	Accuracy	Hysteresis	Remark
2117-1001	100mm/4"	9µm	3µm	lug back
2117-1001P	100mm/4"	9µm	3µm	flat back, with lift cap

warning when  
over tolerance



2117-100P/1001P

