

ATTENTION: RECHARGEABLE BATTERY,
FOR 24 HOURS CONTINUOUS WORKING

DATA
OUTPUT

ABSOLUTE ENCODER, THE ORIGINAL
DATA REMAINS AFTER POWER OFF

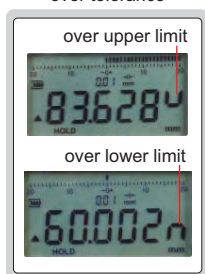
LINEAR BALL BEARINGS
FOR TEN MILLION TIMES USE

**INSPECTION
CERTIFICATE**
TRACEABLE TO NIST

WIRELESS HIGH PRECISION DIGITAL INDICATORS

7

warning when
over tolerance



analog pointer



2134-10

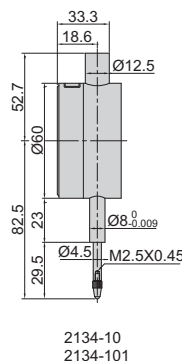


2134-25

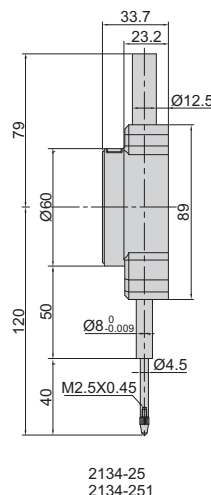


2134-501

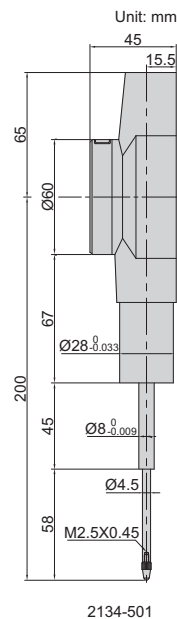
- Built-in wireless transmission, ZigBee signal
- Linear ball bearings for ten million times use
- Absolutely encoder, the original data remains after power off
- The display flips over when the spindle faces up
- Reading in digital and analog
- Data output
- Button function: data output, tolerance, data preset, data hold, measuring direction change, max./min./TIR, power off time, on/off, mm/inch, analog pointer graduation adjustment, adjust resolution
- Power: rechargeable battery, for 24 hours continuous working
- Optional accessory: wireless receiver, code **2134-R1** (keyboard format), code **2134-R2** (serial port format)



2134-10
2134-101



2134-25
2134-251



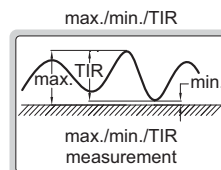
2134-501

Adjustable resolution: 0.0005mm/0.00001"
0.001mm/0.00001"
0.01mm/0.0001"

Code	Range	Accuracy	Hysteresis	Remark
2134-10*	12.7mm/0.5"	3µm	1.5µm	flat back
2134-25*	25.4mm/1"	3µm	1.5µm	flat back

Adjustable resolution: 0.0002mm/0.00001"
0.001mm/0.00001"
0.01mm/0.0001"

Code	Range	Accuracy	Hysteresis	Remark
2134-101*	12.7mm/0.5"	1.5µm	1µm	flat back
2134-251*	25.4mm/1"	1.8µm	1µm	flat back
2134-501*	50.8mm/2"	3µm	1.5µm	flat back



spindle lift knob is included



*Supplied with manufacturer inspection certificate traceable to NIST USA

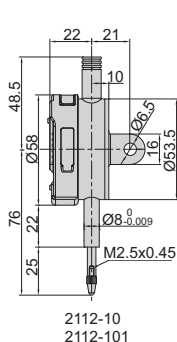
DIGITAL INDICATORS (STANDARD TYPE)



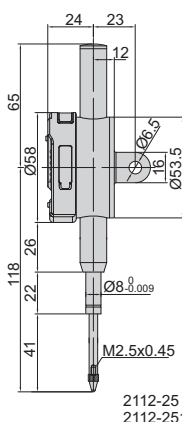
**INSPECTION
CERTIFICATE**
TRACEABLE TO NIST

DATA
OUTPUT

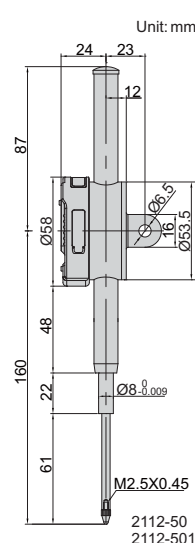
spindle lift knob is included



2112-10



2112-251



2112-501

- Button function: on/off, inch/mm, zero
- CR2032 battery, automatic power off
- Data output
- Optional accessory: data output cable (code **7315-**, **7302-**, **7305-**), backs (page 114~115), contact points (page 111~113)

Resolution 0.001mm/0.00005"

Code	Range	Accuracy	Hysteresis	Remark
2112-101F*	12.7mm/0.5"	5µm	2µm	flat back
2112-251F*	25.4mm/1"	5µm	3µm	flat back
2112-501F*	50.8mm/2"	6µm	3µm	flat back
2112-101*	12.7mm/0.5"	5µm	2µm	lug back
2112-251*	25.4mm/1"	5µm	3µm	lug back
2112-501*	50.8mm/2"	6µm	3µm	lug back

Resolution 0.01mm/0.0005"

Code	Range	Accuracy	Hysteresis	Remark
2112-10F *	12.7mm/0.5"	20µm	10µm	flat back
2112-25F *	25.4mm/1"	20µm	10µm	flat back
2112-50F *	50.8mm/2"	30µm	10µm	flat back
2112-10 *	12.7mm/0.5"	20µm	10µm	lug back
2112-25 *	25.4mm/1"	20µm	10µm	lug back
2112-50 *	50.8mm/2"	30µm	10µm	lug back

* Supplied with manufacturer inspection certificate traceable to NIST USA

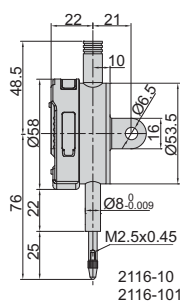
METRIC DIGITAL INDICATORS



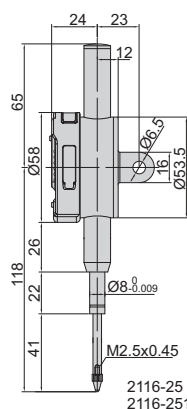
**INSPECTION
CERTIFICATE**
TRACEABLE TO NIST

DATA
OUTPUT

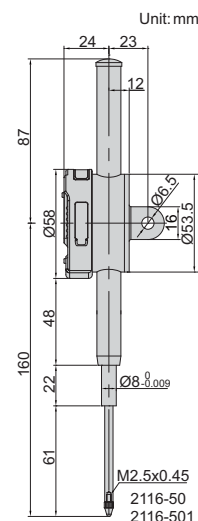
spindle lift knob is included



2116-10



2116-251



2116-501

- Button function: on/off, +/-, zero
- CR2032 battery, automatic power off, data output
- Optional accessory: data output cable (code **7315-**, **7302-**, **7305-**),
backs (page 114~115), contact points (page 111~113)

Resolution 0.001mm

Code	Range	Accuracy	Hysteresis	Remark
2116-101F *	12.7mm	5μm	2μm	flat back
2116-251F *	25.4mm	5μm	3μm	flat back
2116-501F *	50.8mm	6μm	3μm	flat back
2116-101 *	12.7mm	5μm	2μm	lug back
2116-251 *	25.4mm	5μm	3μm	lug back
2116-501 *	50.8mm	6μm	3μm	lug back

Resolution 0.01mm

Code	Range	Accuracy	Hysteresis	Remark
2116-10F *	12.7mm	20μm	10μm	flat back
2116-25F *	25.4mm	20μm	10μm	flat back
2116-50F *	50.8mm	30μm	10μm	flat back
2116-10 *	12.7mm	20μm	10μm	lug back
2116-25 *	25.4mm	20μm	10μm	lug back
2116-50 *	50.8mm	30μm	10μm	lug back

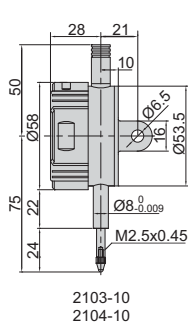
* Supplied with manufacturer inspection certificate traceable to NIST USA



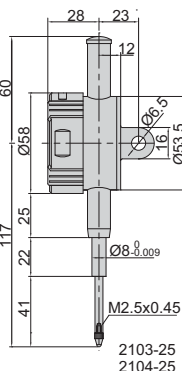
DATA
OUTPUT



DIGITAL INDICATORS (ADVANCED TYPE)



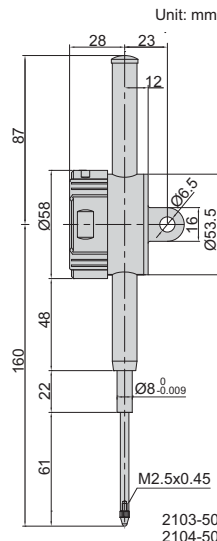
2103-10
2104-10



2103-25
2104-25



2104-25



2103-50
2104-50

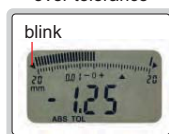


- Reading in digital and analog
- Display can be rotated by 320°
- Button function: tolerance Go and No-Go display, data preset, measuring direction change, max./min./TIR measurement, inch/metric conversion, absolute/incremental measurement
- Keep preset data and tolerance data in memory after restart
- CR2032 battery, automatic power off
- Data output
- Optional accessory: data output cable (code 7315-, 7302-, 7305-), backs (page 114~115), contact points (page 111~113)

analog pointer



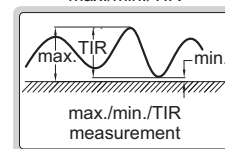
warning when
over tolerance



spindle lift knob
is included



max./min./TIR



Resolution 0.001mm/0.00005"

Code	Range	Accuracy	Hysteresis	Remark
2103-10F *	12.7mm/0.5"	5µm	2µm	flat back
2103-25F *	25.4mm/1"	5µm	3µm	flat back
2103-50F *	50.8mm/2"	6µm	3µm	flat back
2103-10 *	12.7mm/0.5"	5µm	2µm	lug back
2103-25 *	25.4mm/1"	5µm	3µm	lug back
2103-50 *	50.8mm/2"	6µm	3µm	lug back

Resolution 0.01mm/0.0005"

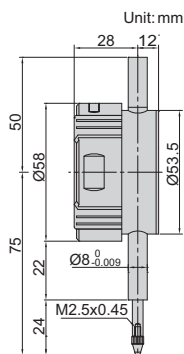
Code	Range	Accuracy	Hysteresis	Remark
2104-10F *	12.7mm/0.5"	20µm	10µm	flat back
2104-25F *	25.4mm/1"	20µm	10µm	flat back
2104-50F *	50.8mm/2"	30µm	10µm	flat back
2104-10 *	12.7mm/0.5"	20µm	10µm	lug back
2104-25 *	25.4mm/1"	20µm	10µm	lug back
2104-50 *	50.8mm/2"	30µm	10µm	lug back

* Supplied with manufacturer inspection certificate traceable to NIST USA

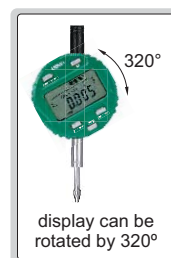


DIGITAL INDICATORS FOR BORE GAGES

- 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: minimum value tracking, calibration, data preset, inch/metric conversion, absolute/incremental measurement
- Keep preset data in memory after restart
- CR2032 battery, automatic power off
- Data output
- Optional accessory: data output cable (code 7315-, 7302-, 7305-), backs (page 114~115), contact points (page 111~113), spindle lift knob (code 7332)



2108-10F



DATA
OUTPUT

analog pointer



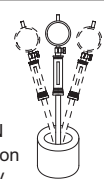
Code	Range	Resolution	Accuracy	Hysteresis	Remark
2108-10F *	12.7mm/0.5"	0.002mm/0.0001"	20µm	10µm	flat back
2108-101F *	12.7mm/0.5"	0.001mm/0.00005"	5µm	2µm	flat back

* Supplied with manufacturer inspection certificate traceable to NIST USA

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



The minimum value tracking function
can find the diameter automatically.



NO AUTO POWER OFF DIGITAL INDICATORS



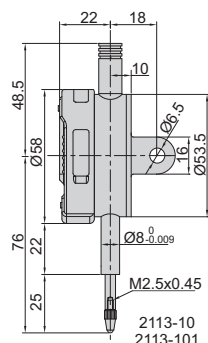
**INSPECTION
CERTIFICATE**
TRACEABLE TO NIST

**ONE BATTERY FOR
4000 WORKING HOURS**

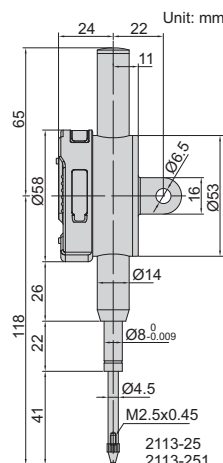
spindle lift knob is included



- No auto power off, tracking the deformation of mould and steel structure for a long time
- Low power consumption
- Button function: on/off, zero, inch/mm
- CR2032 battery
- Data output
- Optional accessory: data output cable (code **7315-, 7302-, 7305-**), backs (page 114~115), contact points (page 111~113)



2113-10



DATA
OUTPUT



2113-251

Resolution 0.001mm/0.00005"

Code	Range	Accuracy	Hysteresis	Remark
2113-101F *	12.7mm/0.5"	5µm	2µm	flat back
2113-251F *	25.4mm/1"	5µm	3µm	flat back
2113-101 *	12.7mm/0.5"	5µm	2µm	lug back
2113-251 *	25.4mm/1"	5µm	3µm	lug back

* Supplied with manufacturer inspection certificate traceable to NIST USA

Resolution 0.01mm/0.0005"

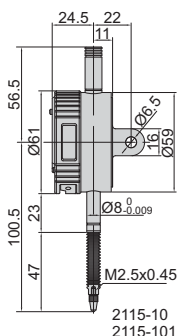
Code	Range	Accuracy	Hysteresis	Remark
2113-10F *	12.7mm/0.5"	20μm	10μm	flat back
2113-25F *	25.4mm/1"	20μm	10μm	flat back
2113-10 *	12.7mm/0.5"	20μm	10μm	lug back
2113-25 *	25.4mm/1"	20μm	10μm	lug back

WATERPROOF DIGITAL INDICATORS

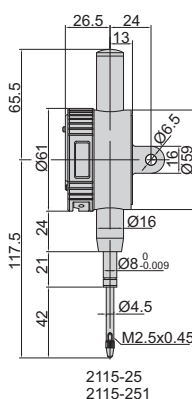


**INSPECTION
CERTIFICATE**
TRACEABLE TO NIST

spindle lift knob is included (except 2115-101/101F, 2115-10/10F)



2115-10

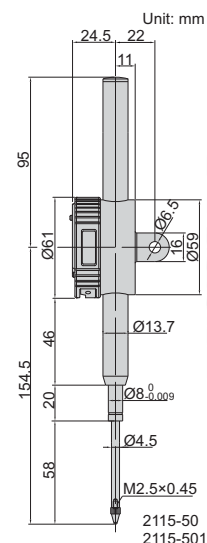


2115-25



DATA OUTPUT

WATERPROOF



2115-50



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

- Dust/waterproof
- Button function: on/off, zero, mm/inch
- CR2032 battery, automatic power off
- Data output
- Optional accessory: data output cable (code **7315-**, **7302-**, **7305-**), backs (page 114~115), contact points (page 111~113)



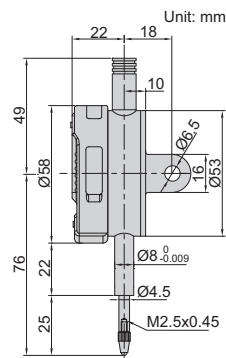
DATA
OUTPUT

ADJUSTABLE COEFFICIENT DIGITAL INDICATORS

- 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
- Keep preset data in memory after restart
- CR2032 battery, automatic power off
- Data output
- Optional accessory: data output cable (code 7315-, 7302-, 7305-), backs (page 114~115), contact points (page 111~113)



2501-10



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

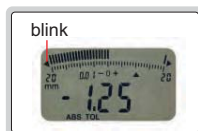


DATA
OUTPUT

DIGITAL INDICATORS WITH LIFTING LEVER

- 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
- Data output
- Optional accessory: data output cable (code 7315-, 7302-, 7305-), backs (page 114~115), contact points (page 111~113)

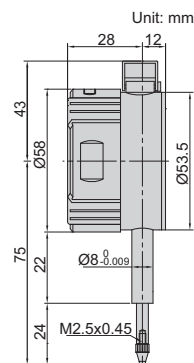
warning when over tolerance



analog pointer



2109-10



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

DATA
OUTPUT

COMPACT DIGITAL INDICATORS



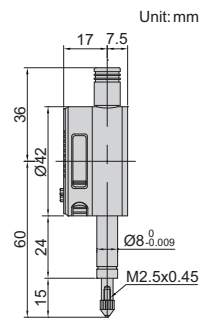
- Button function:
 - in/mm: short press for inch/metric conversion
 - long press to change measuring direction
 - ABS: short press for absolute/incremental measurement
 - long press to preset data
 - 0/ON: short press to turn on when power is off
 - short press to set zero when power is on
 - long press to turn off
- Keep preset data in memory after restart
- CR1632 battery, automatic power off
- Data output
- Optional accessory: data output cable (code 7315-, 7302-, 7305-), contact points (page 111~113)

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



2114-51F



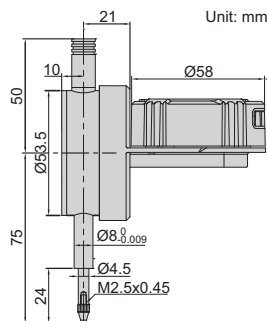
BACK PLUNGER TYPE DIGITAL INDICATORS

**INSPECTION
CERTIFICATE**
TRACEABLE TO NIST

DATA
OUTPUT



- 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
- Data output
- Optional accessory: data output cable (code 7315-, 7302-, 7305-), backs (page 114~115), contact points (page 111~113)

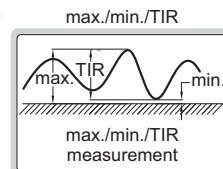


Unit: mm

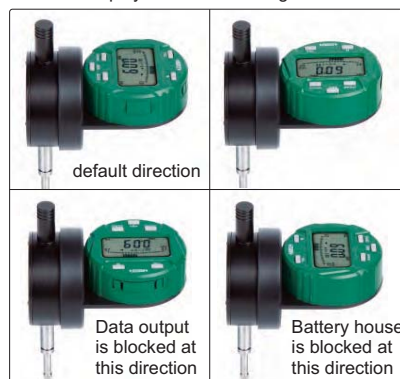
spindle lift knob is included



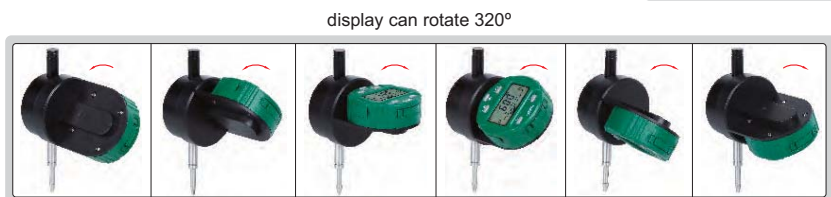
2118-10



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°

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

LARGE STROKE DIGITAL INDICATORS

spindle lift knob is included



- Button function: on/off, zero, mm/inch
- CR2032 battery, automatic power off
- Data output
- Optional accessory: data output cable (code 7315-, 7302-, 7305-), backs (page 114~115), contact points (page 111~113)

Resolution 0.01mm/0.0005"

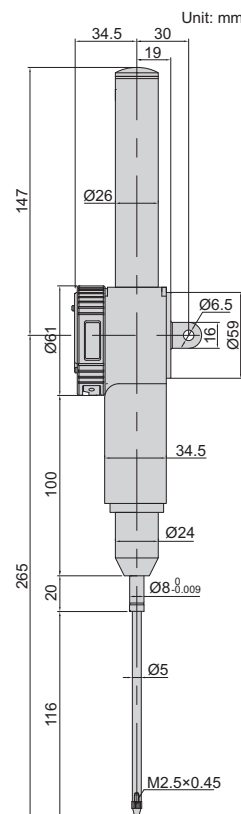
Code	Range	Accuracy	Hysteresis	Remark
2117-100	100mm/4"	30µm	10µm	lug back

Resolution 0.001mm/0.00005"

Code	Range	Accuracy	Hysteresis	Remark
2117-1001	100mm/4"	9µm	3µm	lug back



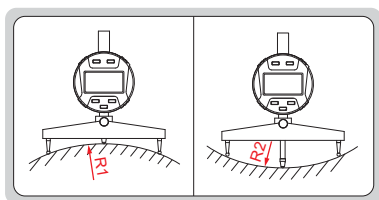
2117-100



Unit: mm

DATA
OUTPUT

DIGITAL RADIUS GAGE



- Resolution: 0.005mm/0.0002"
- Buttons: on/off, hold, mm/inch, s (select jaws), zero
- Measure radius of internal or external arcs
- Display can be rotated by 320°
- Supplied with 5 jaws for different sizes of arc
- Battery CR2032, automatic power off



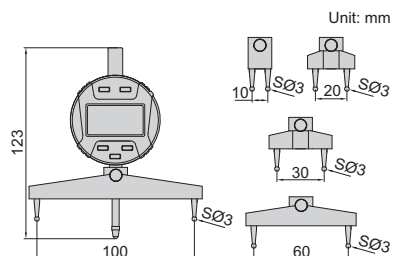
2183



ATTENTION: NO DATA OUTPUT

Code	Range of external radius (R1)	Range of internal radius (R2)	Accuracy (mm)
2183	5-910mm/0.2-35.83"	7-910mm/0.3-35.83"	±0.01R *

* R is the radius to be measured. For example, radius is 100mm, the accuracy is ±0.01x100=±1mm

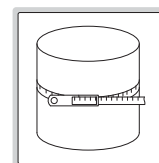


CIRCUMFERENCE TAPES

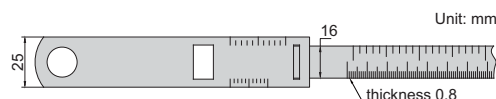
- Graduation: 0.1mm
- Measure diameter and circumference of pipes, trees, tires, etc.
- Laser engraved scale
- Made of stainless steel



7114-950



Code	Circumference range	Diameter range	Accuracy	
			Circumference	Diameter
7114-950	150-950mm	Ø50-300mm	±3mm	±1mm
7114-2200	940-2200mm	Ø300-700mm	±3mm	±1mm
7114-3460	2190-3460mm	Ø700-1100mm	±3mm	±1mm



ATTENTION: RECHARGEABLE BATTERY, FOR 24 HOURS CONTINUOUS WORKING

LINEAR BALL BEARINGS FOR TEN MILLION TIMES USE

DATA OUTPUT

ABSOLUTE ENCODER, THE ORIGINAL DATA REMAINS AFTER POWER OFF

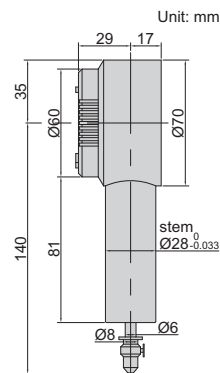
Ø28MM STEM SUITABLE FOR REINFORCED CLAMPING

HIGH PRECISION DIGITAL INDICATORS

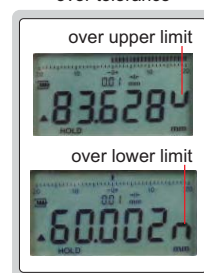
- Linear ball bearings for ten million times use
- Ø28mm stem suitable for reinforced clamping
- Absolutely encoder, the original data remains after power off
- Adjustable resolution: 0.0002mm/0.00001"
0.001mm/0.0001"
0.01mm/0.001"
- The display flips over when the spindle faces up
- Reading in digital and analog
- Data output
- Button function: data output, tolerance, data preset, data hold, direction change, max./min./TIR, power off time, on/off, mm/inch, analog pointer graduation adjustment, adjust resolution
- Power: rechargeable battery, for 24 hours continuous working
- Ruby probe
- Optional accessory: data output cable, code 7302-SPC11, for 2140-6 wireless receiver, code 2134-R1 (keyboard format), code 2134-R2 (serial port format), for 2140-6WL



2140-6



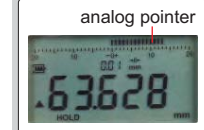
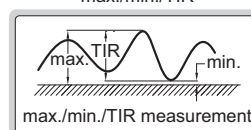
warning when over tolerance



analog pointer

analog pointer

Code	Range	Accuracy	Hysteresis	Remark	Wireless
2140-6	0-6mm/0-0.24"	1.6µm	0.8µm	flat back	no
2140-6WL	0-6mm/0-0.24"	1.6µm	0.8µm	flat back	built-in wireless



HIGH PRECISION DIGITAL INDICATORS

LINEAR BALL BEARINGS
FOR TEN MILLION TIMES USE

ABSOLUTE ENCODER, THE ORIGINAL
DATA REMAINS AFTER POWER OFF

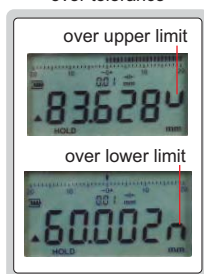
DATA
OUTPUT

ATTENTION: RECHARGEABLE BATTERY,
FOR 24 HOURS CONTINUOUS WORKING

**INSPECTION
CERTIFICATE**
TRACEABLE TO NIST

7

warning when
over tolerance



analog pointer



2133-10

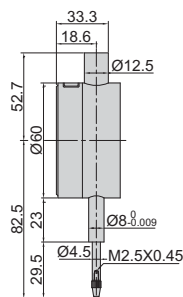


2133-25

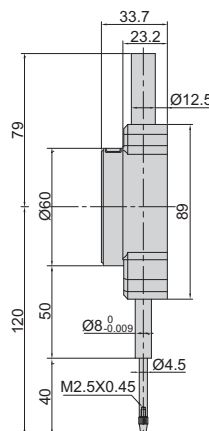


2133-501

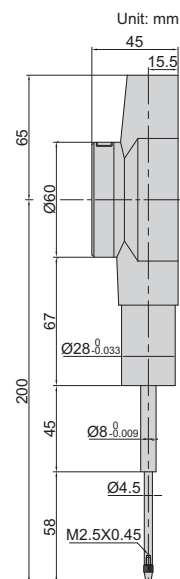
- Linear ball bearings for ten million times use
- Absolutely encoder, the original data remains after power off
- The display flips over when the spindle faces up
- Reading in digital and analog
- Data output
- Button function: data output, tolerance, data preset, datahold, measuring direction change, max./min./TIR, power off time, on/off, mm/inch, analog pointer graduation adjustment, adjust resolution
- Power: rechargeable battery, for 24 hours continuous working
- Optional accessory: data output cable (code 7302-SPC11)



2133-10
2133-101



2133-25
2133-251



2133-501

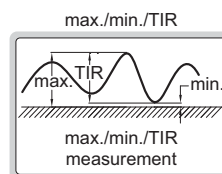
Adjustable resolution: 0.0005mm/0.00001"
0.001mm/0.00001"
0.01mm/0.0001"

Code	Range	Accuracy	Hysteresis	Remark
2133-10 *	12.7mm/0.5"	3µm	1.5µm	flat back
2133-25 *	25.4mm/1"	3µm	1.5µm	flat back

Adjustable resolution: 0.0002mm/0.00001"
0.001mm/0.00001"
0.01mm/0.0001"

Code	Range	Accuracy	Hysteresis	Remark
2133-101 *	12.7mm/0.5"	1.5µm	1µm	flat back
2133-251 *	25.4mm/1"	1.8µm	1µm	flat back
2133-501 *	50.8mm/2"	3µm	1.5µm	flat back

*Supplied with manufacturer inspection certificate traceable to NIST USA



spindle lift knob is included

