# HIGH PRECISION DIGITAL INDICATORS

ABSOLUTE ENCODER, THE ORIGINAL DATA REMAINS AFTER POWER OFF

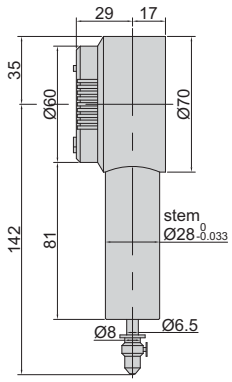
Ø28MM STEM SUITABLE FOR REINFORCED CLAMPING

DATA OUTPUT

LINEAR BALL BEARINGS FOR TEN MILLION TIMES USE

ATTENTION: RECHARGEABLE BATTERY, FOR 24 HOURS CONTINUOUS WORKING

Unit: mm



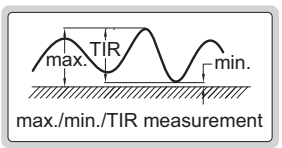

- Linear ball bearings for ten million times use
- Ø28mm stem suitable for reinforced clamping
- Absolute encoder, the original data remains after power off
- Adjustable resolution: 0.0002mm/0.00001"
  0.001mm/0.00005"
  0.01mm/0.0005"
- Reading in digital and analog
- Button function: data output, tolerance, 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

**2140-6**

**With data interface**
Optional accessory:
wireless transmitter, code **7315-60**, wireless receiver, code **7315-2**, **7315-3**
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)

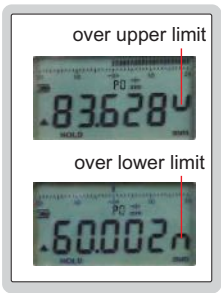
| Code | Range | Accuracy | Hysteresis | Remark |
|---|---|---|---|---|
| **2140-6** | 0-6mm/0-0.24" | 1.6μm | 0.8μm | flat back |

max./min./TIR




max./min./TIR measurement

warning when over tolerance

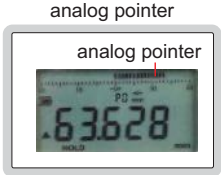



**Built-in wireless**
Optional accessory:
wireless receiver (keyboard format), code **2134-R1**
wireless receiver (serial port format), code **2134-R2**

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

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

analog pointer



# HIGH PRECISION DIGITAL INDICATORS

LINEAR BALL BEARINGS FOR TEN MILLION TIMES USE

ABSOLUTE ENCODER, THE ORIGINAL DATA REMAINS AFTER POWER OFF

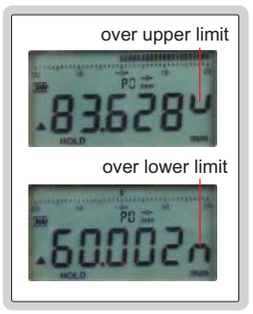
DATA OUTPUT

ATTENTION: RECHARGEABLE BATTERY, FOR 24 HOURS CONTINUOUS WORKING

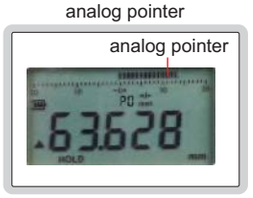
INSPECTION CERTIFICATE
TRACEABLE TO NIST



warning when over tolerance




analog pointer



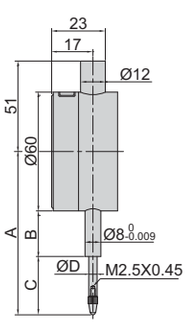

2133-10

2133-25

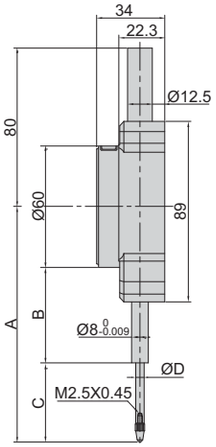
2133-50

- 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 161~163) 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)

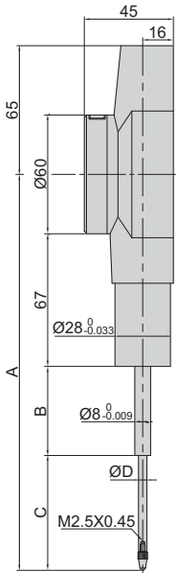
Unit: mm




2133-10
2133-101




2133-25
2133-251




2133-50

**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 |

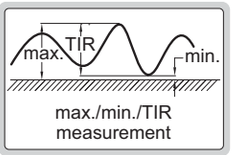
spindle lift knob is included

**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 |

max./min./TIR




max./min./TIR measurement

*Supplied with manufacturer inspection certificate traceable to NIST USA

# WIRELESS HIGH PRECISION DIGITAL INDICATORS

ATTENTION: RECHARGEABLE BATTERY, FOR 24 HOURS CONTINUOUS WORKING

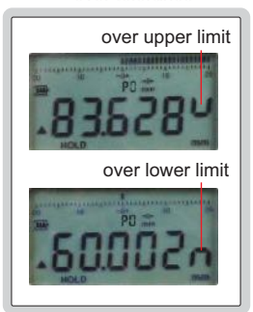
LINEAR BALL BEARINGS FOR TEN MILLION TIMES USE

ABSOLUTE ENCODER, THE ORIGINAL DATA REMAINS AFTER POWER OFF

INSPECTION CERTIFICATE
TRACEABLE TO NIST

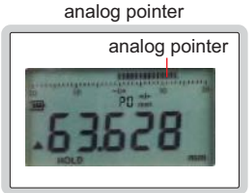


warning when over tolerance




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

analog pointer

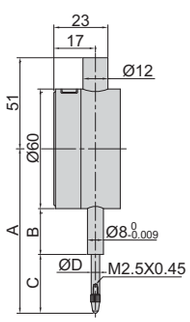



**2134-10**

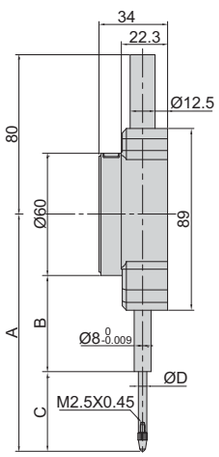
**2134-25**

**2134-50**

- Built-in wireless transmission, ZigBee singal
- 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 accessary: contact points (page 161~163) wireless receiver, code: **2134-R1** (keyboard format) **2134-R2** (serial port format)

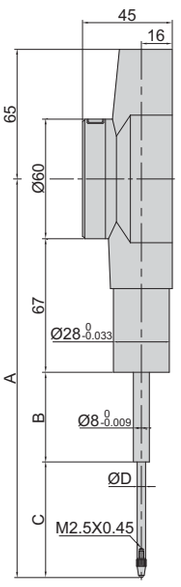



2134-10
2134-101




2134-25
2134-251

Unit: mm




2133-50

**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 |

spindle lift knob is included

**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 | 77.4mm | 26mm | 21.4mm | 4mm | flat back |
| **2134-251*** | 25.4mm/1" | 1.8μm | 1μm | 116.1mm | 42.5mm | 44mm | 4mm | flat back |

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max./min./TIR