## Depth Micrometer

## SERIES 329, 129, 229 - Interchangeable Rod Type

## FEATURES

- ø4mm interchangeable rods, with lapped measuring end, provide a wide measuring range.
- The rod length can be adjusted in 25 mm increments.
- With ratchet stop for constant force.
- With measuring rod clamp.
- With SPC output (series 329).
- With digit counter (series 229).


SPECIFICATIONS
Metric

| Metric | Digital model |  |
| :--- | :--- | :--- |
| Range | Order No. | Remarks (base / rod) |
| $0-150 \mathrm{~mm}$ | $\mathbf{3 2 9 - 2 5 0}$ | $101.6 \times 16 \mathrm{~mm}$ |
| $\mathrm{~W} / 6$ rods |  |  |
| $0-300 \mathrm{~mm}$ | $\mathbf{3 2 9 - 2 5 1}$ | $101.6 \times 16 \mathrm{~mm}$ |

Metric

| Range | Order No. | Remarks (base $/ \mathrm{rod}$ ) |  |
| :--- | :--- | :--- | :--- |
| $0-25 \mathrm{~mm}$ | $\mathbf{2 2 9 - 1 0 1}$ | $63.5 \times 16 \mathrm{~mm}$ | $\mathrm{w} / 1 \mathrm{rod}$ |
| $0-25 \mathrm{~mm}$ | $\mathbf{2 2 9 - 1 0 2}$ | $101.6 \times 16 \mathrm{~mm}$ | $\mathrm{w} / 1 \mathrm{rod}$ |
| $0-50 \mathrm{~mm}$ | $\mathbf{2 2 9 - 1 0 9}$ | $63.5 \times 16 \mathrm{~mm}$ | $\mathrm{w} / 2 \mathrm{rods}$ |
| $0-50 \mathrm{~mm}$ | $\mathbf{2 2 9 - 1 1 3}$ | $101.6 \times 16 \mathrm{~mm}$ | $\mathrm{w} / 2 \mathrm{rods}$ |

Metric

| Range | Order No. | Remarks (base / rod) |  |
| :---: | :---: | :---: | :---: |
| 0-50mm | 129-109 | $63.5 \times 16 \mathrm{~mm}$ | w/ 2 rods |
| $0-50 \mathrm{~mm}$ | 129-113 | $101.6 \times 16 \mathrm{~mm}$ | w/ 2 rods |
| 0.75 mm | 129-110 | $63.5 \times 16 \mathrm{~mm}$ | w/ 3 rods |
| 0.75 mm | 129-114 | $101.6 \times 16 \mathrm{~mm}$ | w/ 3 rods |
| 0-100mm | 129-111 | $63.5 \times 16 \mathrm{~mm}$ | w/ 4 rods |
| $0-100 \mathrm{~mm}$ | 129-115 | $101.6 \times 16 \mathrm{~mm}$ | w/ 4 rods |
| $0-150 \mathrm{~mm}$ | 129-112 | $63.5 \times 16 \mathrm{~mm}$ | w/ 6 rods |
| 0-150mm | 129-116 | $101.6 \times 16 \mathrm{~mm}$ | w/ 6 rods |


| Inch/1 | Digital model |  |  |
| :---: | :---: | :---: | :---: |
| Range | Order No. | Remarks (base / rod) |  |
| 0-6" | 329-350 | 4" x . 63" | w/ 6 rods |
| 0-12" | 329-351 | 4" $\times$. 63 " | w/ 12 rods |
| Inch | Digit counter model |  |  |
| Range | Order No. | Remarks (base / rod) |  |
| 0-4" | 229-127 | $2.5{ }^{\prime \prime} \times .63^{\prime \prime}$ | w/ 4 rods |
| 0-4" | 229-131 | $4^{\prime \prime} \times .63^{\prime \prime}$ | w/ 4 rods |
| 0-6" | 229-128 | $2.5{ }^{\prime \prime} \times .63^{\prime \prime}$ | w/ 6 rods |
| 0-6" | 229-132 | $4^{\prime \prime} \times .63$ " | w/ 6 rods |
| Inch |  |  |  |
| Range | Order No. | Remarks (base / rod) |  |
| 0-3" | 129-126 | $2.5{ }^{\prime \prime} \times .63^{\prime \prime}$ | w/ 3 rods |
| 0-3" | 129-130 | $4^{\prime \prime} \times .63^{\prime \prime}$ | w/ 3 rods |
| 0-4" | 129-127 | $2.5{ }^{\prime \prime} \times .63^{\prime \prime}$ | w/ 4 rods |
| 0-4" | 129-131 | 4" x . 63" | w/ 4 rods |
| 0-6" | 129-128 | $2.5{ }^{\prime \prime} \times .63^{\prime \prime}$ | w/ 6 rods |
| 0-6" | 129-132 | $4^{\prime \prime} \times .63$ " | w/ 6 rods |
| 0-12" | 129-149 | $2.5{ }^{\prime \prime} \times .63^{\prime \prime}$ | w/ 12 rods |
| 0-12" | 129-150 | 4" $\times$. 63 " | w/ 12 rods |

## SPG

Technical Data
Accuracy: $\quad \pm 3 \mu \mathrm{~m}$ for micrometer head feed (excluding quantizing error for digital models) $\pm(2+L / 75) \mu \mathrm{m}$ for interchangeable rod, = Max. measuring length ( mm ) Fraction rounded up
Resolution*: 0.001 mm or .00005 " $/ 0.001 \mathrm{~mm}$ (.0001"/0.001mm: 329-351)

Graduation**: 0.01 mm or $.001^{\prime \prime}$
Flatness of reference face: $1.3 \mu \mathrm{~m}$ for 63.5 mm width base, $2 \mu \mathrm{~m}$ for 101.6 mm width base
Flatness of measuring rod face: $0.3 \mu \mathrm{~m}$
Parallelism between reference face and measuring rod face: $(4+L / 50) \mu m, L=M a x$. measuring length ( mm ) Fraction rounded up
Measuring rod diameter: 4 mm
Display*: LCD
Battery*: SR44 (1 pc.), 938882
Battery life*: Approx. 8 months under normal use
*Digital models **Analog models
Function of Digital Model
Preset, Zero-setting, Data hold, Automatic power ON/OFF, Data output, Preset inch/mm conversion (inch/mm models)
Alarm: Low voltage, Counting value composition error
Optional Accessory for Digital Model
05CZA662: SPC cable with data switch (1m)
05CZA663: SPC cable with data switch (2m)


## DIMENSION



## Technical Data

Accuracy: $\pm 3$ um for micrometer head feed
Graduation: 0.01 mm or $.001^{\prime \prime}$
Flatness of reference face: $1.3 \mu \mathrm{~m}$ for 63.5 mm width base, $2 \mu \mathrm{~m}$ for 101.6 mm width base
Flatness of measuring rod face: $0.3 \mu \mathrm{~m}$

(Refer to the page 9 for details.)

## Technical Data

Block pitch accuracy: $\pm(1+L / 150)$ um
$\mathrm{L}=$ Length to check (mm)
Anvil block accuracy: $\pm 0.5 \mathrm{~mm}$


## Depth Micrometer <br> SERIES 128

## FEATURES

- ø4mm measuring face.
- With spindle clamp.
- With carbide-tipped measuring face model is available.
-With ratchet stop for constant force.


| Metric |  |  |
| :--- | :--- | :--- |
| Range | Order No. | Remarks (base) |
| $\mathbf{0 - 2 5 m m}$ | 128-101 | $63.5 \times 16 \mathrm{~mm}$ |
| $\mathbf{0 - 2 5 m m}$ | $\mathbf{1 2 8 - 1 0 \mathbf { 3 } ^ { * }}$ | $63.5 \times 16 \mathrm{~mm}$ |
| $\mathbf{0 - 2 5 m m}$ | $\mathbf{1 2 8 - 1 0 2}$ | $101.6 \times 16 \mathrm{~mm}$ |
| $\mathbf{0 - 2 5 m m}$ | $\mathbf{1 2 8 - 1 0 4 *}$ | $101.6 \times 16 \mathrm{~mm}$ |


| Inch |  |  |
| :--- | :--- | :--- |
| Range | Order No. | Remarks (base) |
| $0-1^{\prime \prime}$ | $\mathbf{1 2 8 - 1 0 5}$ | $2.5^{\prime \prime} \times .63^{\prime \prime}$ |
| $0-1^{\prime \prime}$ | $\mathbf{1 2 8 - 1 0 6}$ | $4^{\prime \prime} \times .63^{\prime \prime}$ |

*with carbide-tipped measuring rod

## Depth Micro Checker

SERIES 515

## FEATURES

- The Depth Micro Checker is designed to efficiently check the zero point of a depth micrometer.


## SPECIFICATIONS



| Range | Order No. | Remarks (length to check) |
| :--- | :--- | :--- |
| $0-150 \mathrm{~mm}$ | $\mathbf{5 1 5 - 5 7 0}$ | $25,50,75,100,125,150 \mathrm{~mm}$ |
| $0-300 \mathrm{~mm}$ | $\mathbf{5 1 5 - 5 7 1}$ | $25,50,75,100,125,150,175,200,225,250,275,300 \mathrm{~mm}$ |

$\square$

| Range | Order No. | Remarks (length to check) |
| :--- | :--- | :--- |
| $0-6^{\prime \prime}$ | $515-575$ | $1^{\prime \prime}, 2^{\prime \prime}, 3^{\prime \prime}, 4^{\prime \prime}, 5^{\prime \prime}, 6^{\prime \prime}$ |

## DIMENSION

## ABSOLUTE Digimatic Depth Gage <br> SERIES 571

## FEATURES

- ABSOLUTE Digimatic Depth Gage can keep track of the origin point once set for the entire life of the battery.



## SPECIFICATIONS

## Metric

| Range | Order No. | Base $(\mathrm{W} \times \mathrm{T})$ |
| :--- | :--- | :--- |
| $0-150 \mathrm{~mm}$ | $571-201-20 / 571-251-10 *$ | $100 \times 6 \mathrm{~mm}$ |
| $0-200 \mathrm{~mm}$ | $571-202-20 / 571-252-10 *$ | $100 \times 6 \mathrm{~mm}$ |
| $0-300 \mathrm{~mm}$ | $571-203-20$ | $100 \times 6 \mathrm{~mm}$ |
| $0-450 \mathrm{~mm}$ | $571-204-10$ | $250 \times 10 \mathrm{~mm}$ |
| $0-600 \mathrm{~mm}$ | $571-205-10$ | $250 \times 10 \mathrm{~mm}$ |
| $0-750 \mathrm{~mm}$ | $571-206-10$ | $250 \times 10 \mathrm{~mm}$ |
| $0-1000 \mathrm{~mm}$ | $571-207-10$ | $250 \times 10 \mathrm{~mm}$ |

*|P67 Coolant Proof model

- Base and measuring faces are hardened and micro-lapped.
- Optional wider extension base are


## DIMENSION

## Technical Data

Accuracy: Refer to the list of specifications. Graduation: $0.05 \mathrm{~mm}, 0.02 \mathrm{~mm}$ or $.001^{\prime \prime}$

## Optional Accessory

Extension base (see page 179.)

## Vernier Depth Gage

## SERIES 527

## FEATURES

- Base and measuring faces are hardened and micro-lapped.
- Made of hardened stainless steel.
- Optional wider extension base are available. (up to 450 mm range models)

527-201


## SPECIFICATIONS

Metric

| Range | Order No. | Vernier reading | Accuracy | Remarks [base (W x T) / others) |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
| $0-150 \mathrm{~mm}$ | $\mathbf{5 2 7 - 2 0 1}$ | 0.05 mm | $\pm 0.05 \mathrm{~mm}$ | $100 \times 6.5 \mathrm{~mm}$ | - |
| $0-150 \mathrm{~mm}$ | $\mathbf{5 2 7 - 1 2 1}$ | 0.02 mm | $\pm 0.03 \mathrm{~mm}$ | $100 \times 6.5 \mathrm{~mm}$ | - |
| $0-150 \mathrm{~mm}$ | $\mathbf{5 2 7 - 1 0 1}$ | 0.02 mm | $\pm 0.03 \mathrm{~mm}$ | $100 \times 6.5 \mathrm{~mm}$ | with fine adjustment |
| $0-200 \mathrm{~mm}$ | $\mathbf{5 2 7 - 2 0 2}$ | 0.05 mm | $\pm 0.05 \mathrm{~mm}$ | $100 \times 6.5 \mathrm{~mm}$ | - |
| $0-200 \mathrm{~mm}$ | $\mathbf{5 2 7 - 1 2 2}$ | 0.02 mm | $\pm 0.03 \mathrm{~mm}$ | $100 \times 6.5 \mathrm{~mm}$ | - |
| $0-200 \mathrm{~mm}$ | $\mathbf{5 2 7 - 1 0 2}$ | 0.02 mm | $\pm 0.03 \mathrm{~mm}$ | $100 \times 6.5 \mathrm{~mm}$ | with fine adjustment |
| $0-300 \mathrm{~mm}$ | $\mathbf{5 2 7 - 2 0 3}$ | 0.05 mm | $\pm 0.08 \mathrm{~mm}$ | $100 \times 6.5 \mathrm{~mm}$ | - |
| $0-300 \mathrm{~mm}$ | $\mathbf{5 2 7 - 1 2 3}$ | 0.02 mm | $\pm 0.04 \mathrm{~mm}$ | $100 \times 6.5 \mathrm{~mm}$ | - |
| $0-300 \mathrm{~mm}$ | $\mathbf{5 2 7 - 1 0 3}$ | 0.02 mm | $\pm 0.04 \mathrm{~mm}$ | $100 \times 6.5 \mathrm{~mm}$ | with fine adjustment |
| $0-600 \mathrm{~mm}$ | $\mathbf{5 2 7 - 2 0 4}$ | 0.05 mm | $\pm 0.10 \mathrm{~mm}$ | $250 \times 10 \mathrm{~mm}$ | - |
| $0-600 \mathrm{~mm}$ | $\mathbf{5 2 7 - 1 0 4}$ | 0.02 mm | $\pm 0.05 \mathrm{~mm}$ | $250 \times 10 \mathrm{~mm}$ | with fine adjustment |
| $0-1000 \mathrm{~mm}$ | $\mathbf{5 2 7 - 2 0 5}$ | 0.05 mm | $\pm 0.15 \mathrm{~mm}$ | $250 \times 10 \mathrm{~mm}$ | - |
| $0-1000 \mathrm{~mm}$ | $\mathbf{5 2 7 - 1 0 5}$ | 0.02 mm | $\pm 0.07 \mathrm{~mm}$ | $250 \times 10 \mathrm{~mm}$ | with fine adjustment |


| Range | Order No. | Vernier reading | Accuracy | Remarks [base ( $\mathrm{W} \times \mathrm{T}$ ) / others) |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 0-6" | 527-111 | .001" | $\pm .001 "$ | 3.93 " x . $25^{\prime \prime}$ | with fine adjustment |
| 0-8" | 527-112 | . 001 " | $\pm .001 "$ | 3.93 " x . $25^{\prime \prime}$ | with fine adjustment |
| 0-12" | 527-113 | . 001 " | $\pm .0015^{\prime \prime}$ | 9.8 " x 39 " | with fine adjustment |
| 0-24" | 527-114 | .001" | $\pm .002^{\prime \prime}$ | 9.8 " x 39 " | with fine adjustment |
| 0-40" | 527-115 | . 001 " | $\pm .003^{\prime \prime}$ | 9.8" $\times .39$ " | with fine adjustment |

## DIMENSION



## Vernier Depth Gage

## SERIES 527 - Hook End Type

## FEATURES

- The end of the main scale is hookshaped to allow depth and thickness measurements of a projected portion or lip in a hole, in addition to standard depth measurement.
- With fine adjustment models are available.
- Optional wider extension base are available.


## SPECIFICATIONS



Metric with fine adjustment

| Range | Order No. | Vernier reading | Accuracy |
| :--- | :--- | :--- | :--- |
| $0-150 \mathrm{~mm}$ | $527-411$ | 0.02 mm | $\pm 0.03 \mathrm{~mm}$ |
| $0-200 \mathrm{~mm}$ | $527-412$ | 0.02 mm | $\pm 0.03 \mathrm{~mm}$ |
| $0-300 \mathrm{~mm}$ | $527-413$ | 0.02 mm | $\pm 0.04 \mathrm{~mm}$ |

## DIMENSION



## Dial Depth Gage

## SERIES 527 - with Fine Adjustment

## FEATURES

- Easier and faster reading of dial.
- Made of hardened stainless steed.

- Base and measuring faces are hardened and micro-lapped.
- Optional wider extension base are available.


## DIMENSION



Technical Data
Accuracy: Refer to the list of specifications. Graduation: 0.05 mm or 0.02 mm
Base size: $\quad 100 \times 6.5 \mathrm{~mm}(\mathrm{~W} \times \mathrm{T})$
Optional Accessory
-_: Extension base (see page 179.)


## Technical Data

Accuracy: Refer to the list of specifications.
Dial reading: 0.05 mm or $.001^{\prime \prime}$
Base size: $100 \times 6.5 \mathrm{~mm}(\mathrm{~W} \times \mathrm{T})$
Optional Accessory
——: Extension base (see page 179.)


## Extension Bases

Optional Accessory for Depth Gage

## FEATURES

- Attached to the base (reference face) plate of a depth gage to extend its span.
-These extension base cannot be attached to $0-600 \mathrm{~mm}, 0-1000 \mathrm{~mm}, 0-24^{\prime \prime}$ and $0-40^{\prime \prime}$ range models.


DIMENSION


## Depth Base Attachment

## Optional Accessory for Caliper

## FEATURES

- For $100 \mathrm{~mm}, 150 \mathrm{~mm}, 200 \mathrm{~mm}, 300 \mathrm{~mm}, 4^{\prime \prime}$, $\quad$ Finely grounded base surface and secure $6^{\prime \prime}, 8^{\prime \prime}$ and $12^{\prime \prime}$ vernier and dial calipers which have a depth measuring bar.

SPECIFICATIONS


Metric

| Size | Order No. | Remarks (applicable measuring range of caliper) |
| :--- | :--- | :--- |
| 75 mm | 050083 | $100 \mathrm{~mm}, 15 \mathrm{~mm}, 200 \mathrm{~mm}, 4^{\prime \prime}, 6^{\prime \prime}$ and $8^{\prime \prime}$ |
| 100 mm | 050084 | $100 \mathrm{~mm}, 15 \mathrm{~mm}, 200 \mathrm{~mm}, 4^{\prime \prime}, 6^{\prime \prime}$ and $8^{\prime \prime}$ |
| 125 mm | 050085 | 300 mm and $12^{\prime \prime}$ |

## DIMENSION



| Size | a | b | c | d | e |
| :--- | :--- | :--- | :--- | :--- | :--- |
| 75 mm | 25 | 75 | 24.5 | 9 | 16 |
| 100 mm | 25 | 100 | 24.5 | 9 | 16 |
| 125 mm | 30 | 125 | 28.5 | 11.5 | 20 |
| f: Base thickness |  |  |  |  |  |



## ABSOLUTE Digimatic/Dial Depth Gage

## SERIES 547, 7

## FEATURES

- ABSOLUTE Digimatic Depth Gage can keep track of the origin point once set for the entire life of the battery. (series 547)
- Wide probing range is available with the supplied extension rod.
- Bottom surface of the base is hardened, ground and lapped for highest degree of flatness.

- Designed with a back plunger type dial indicator for upward facing readings. (7231, 7237, 7238)
- With SPC data output. (series 547)

Metric Digital Type

| Range | Order No. | Stroke | Accuracy | Extension rod | Base $(\mathrm{W} \times \mathrm{T}$, flatness) |
| :--- | :--- | :--- | :--- | :--- | :--- |
| $0-200 \mathrm{~mm}$ | $\mathbf{5 4 7 - 2 1 1}$ | 12 mm | $\pm 20 \mu \mathrm{~m}$ | 5 pcs. $(10,20,30,30,100 \mathrm{~mm})$ | $63.5 \times 16 \mathrm{~mm}, 5 \mu \mathrm{~m}$ |
| $0-200 \mathrm{~mm}$ | $\mathbf{5 4 7 - 2 1 2}$ | 12 mm | $\pm 20 \mu \mathrm{~m}$ | $5 \mathrm{pcs} .(10,20,30,30,100 \mathrm{~mm})$ | $101.6 \times 16 \mathrm{~mm}, 5 \mu \mathrm{~m}$ |
| $0-200 \mathrm{~mm}$ | $\mathbf{5 4 7 - 2 5 1}$ | 12 mm | $\pm 5 \mu \mathrm{~m}$ | $5 \mathrm{pcs} .(10,20,30,30,100 \mathrm{~mm})$ | $63.5 \times 16 \mathrm{~mm}, 2 \mu \mathrm{~m}$ |
| $0-200 \mathrm{~mm}$ | $\mathbf{5 4 7 - 2 5 2}$ | 12 mm | $\pm 5 \mu \mathrm{~m}$ | $5 \mathrm{pcs} .(10,20,30,30,100 \mathrm{~mm})$ | $101.6 \times 16 \mathrm{~mm}, 2 \mu \mathrm{~m}$ |

$\square 0.01 \mathrm{~mm}$ graduation $\quad \square 0.001 \mathrm{~mm}$ graduation
Inch/Metric Digital Type

| Range | Order No. | Stroke | Accuracy | Extension rod | Base (W x T, flatness) |
| :--- | :--- | :--- | :--- | :--- | :--- |
| $0-8^{\prime \prime}$ | $547-217$ | $.5^{\prime \prime}$ | $\pm .001^{\prime \prime}$ | 4 pcs. $\left(.5^{\prime \prime}, 1^{\prime \prime}, 2^{\prime \prime}, 4^{\prime \prime}\right)$ | $2.5^{\prime \prime} \times .63^{\prime \prime}, .0002^{\prime \prime}$ |
| $0-8^{\prime \prime}$ | $547-218$ | $.5^{\prime \prime}$ | $\pm .001^{\prime \prime}$ | 4 pcs. $\left(.5^{\prime \prime}, 1^{\prime \prime}, 2^{\prime \prime}, 4^{\prime \prime}\right)$ | $4^{\prime \prime} \times .63^{\prime \prime}, .0002^{\prime \prime}$ |
| $0-8^{\prime \prime}$ | $547-257$ | $.5^{\prime \prime}$ | $\pm .0003^{\prime \prime}$ | 4 pcs. $\left(.5^{\prime \prime}, 1^{\prime \prime}, 2^{\prime \prime}, 4^{\prime \prime}\right)$ | $2^{\prime \prime} 5^{\prime \prime} \times .63^{\prime \prime}, .00008^{\prime \prime}$ |
| $0-8^{\prime \prime}$ | $547-258$ | $.5^{\prime \prime}$ | $\pm .0003^{\prime \prime}$ | 4 pcs. $\left(.5^{\prime \prime}, 1^{\prime \prime}, 2^{\prime \prime}, 4^{\prime \prime}\right)$ | $4^{\prime \prime} \times .63^{\prime \prime}, .00008^{\prime \prime}$ |

$\square .005$ " 0.01 mm graduation
$\square .00005^{\prime \prime} 0.001 \mathrm{~mm}$ graduation
Metric Dial Type

| Range | Order No. | Stroke | Accuracy | Extension rod | Base $(\mathrm{W} \times \mathrm{T}$, flatness) |
| :--- | :--- | :--- | :--- | :--- | :--- |
| $0-10 \mathrm{~mm}$ | 7210* | 10 mm | $\pm 15 \mu \mathrm{~m}$ | - | $40 \times 16 \mathrm{~mm}, 5 \mu \mathrm{~m}$ |
| $0-200 \mathrm{~mm}$ | 7211 | 10 mm | $\pm 15 \mu \mathrm{~m}$ | 5 pcs. $(10,20,30,30,100 \mathrm{~mm})$ | $63.5 \times 16 \mathrm{~mm}, 5 \mu \mathrm{~m}$ |
| $0-200 \mathrm{~mm}$ | 7212 | 10 mm | $\pm 15 \mu \mathrm{~m}$ | 5 pcs. $(10,20,30,30,100 \mathrm{~mm})$ | $101.6 \times 16 \mathrm{~mm}, 5 \mu \mathrm{~m}$ |
| $0-210 \mathrm{~mm}$ | 7213 | 30 mm | $\pm 30 \mu \mathrm{~m}$ | 3 pcs. $(30,60,90 \mathrm{~mm})$ | $63.5 \times 16 \mathrm{~mm}, 5 \mu \mathrm{~m}$ |
| $0-210 \mathrm{~mm}$ | 7214 | 30 mm | $\pm 30 \mu \mathrm{~m}$ | 3 pcs. $(30,60,90 \mathrm{~mm})$ | $101.6 \times 16 \mathrm{~mm}, 5 \mu \mathrm{~m}$ |
| $0-200 \mathrm{~mm}$ | 7220 | 10 mm | $\pm 15 \mu \mathrm{~m}$ | 5 pcs. $(10,20,30,30,100 \mathrm{~mm})$ | $100 \times 18 \mathrm{~mm}, 5 \mu \mathrm{~m}$ |
| $0-200 \mathrm{~mm}$ | 7221 | 10 mm | $\pm 15 \mu \mathrm{~m}$ | 5 pcs. $(10,20,30,30,100 \mathrm{~mm})$ | $150 \times 18 \mathrm{~mm}, 5 \mu \mathrm{~m}$ |
| $0-10 \mathrm{~mm}$ | $7222 *$ | 10 mm | $\pm 15 \mu \mathrm{~m}$ | 5 pcs. $(10,20,30,30,100 \mathrm{~mm})$ | $\varnothing 16 \mathrm{~mm}, 5 \mu \mathrm{~m}$ |
| $0-10 \mathrm{~mm}$ | 7223 | 10 mm | $\pm 15 \mu \mathrm{~m}$ | 5 pcs. $(10,20,30,30,100 \mathrm{~mm})$ | $\varnothing 25 \mathrm{~mm}, 5 \mu \mathrm{~m}$ |
| $0-10 \mathrm{~mm}$ | 7224 | 10 mm | $\pm 15 \mu \mathrm{~m}$ | 5 pcs. $(10,20,30,30,100 \mathrm{~mm})$ | $\varnothing 40 \mathrm{~mm}, 5 \mu \mathrm{~m}$ |
| $0-200 \mathrm{~mm}$ | 7231 | 5 mm | $\pm 15 \mu \mathrm{~m}$ | 5 pcs. $(10,20,30,30,100 \mathrm{~mm})$ | $63.5 \times 16 \mathrm{~mm}, 5 \mu \mathrm{~m}$ |

*with needle probe
Inch Dial Type

| Range | Order No. | Stroke | Accuracy | Extension rod | Base (W x T, flatness) |
| :--- | :--- | :--- | :--- | :--- | :--- |
| $0-.4^{\prime \prime}$ | 72175 | $1^{\prime \prime}$ | $\pm .002^{\prime \prime}$ | 4 pcs. $\left(5^{\prime \prime}, 1^{\prime \prime}, 2^{\prime \prime}, 4^{\prime \prime}\right)$ | $2^{\prime \prime} \times .65^{\prime \prime}, .0002^{\prime \prime}$ |
| $0-4^{\prime \prime}$ | 72185 | $1^{\prime \prime}$ | $\pm .002^{\prime \prime}$ | 4 pcs. $\left(.5^{\prime \prime}, 1^{\prime \prime}, 2^{\prime \prime}, 4^{\prime \prime}\right)$ | $4^{\prime \prime} \times .63^{\prime \prime}, .0002^{\prime \prime}$ |
| $0-8^{\prime \prime}$ | 7217 | $1^{\prime \prime}$ | $\pm .002^{\prime \prime}$ | 3 pcs. $\left(1^{\prime \prime}, 2^{\prime \prime}, 4^{\prime \prime}\right)$ | $2.5^{\prime \prime} \times .63^{\prime \prime}, .0002^{\prime \prime}$ |
| $0-8^{\prime \prime}$ | 7218 | $1^{\prime \prime}$ | $\pm .002^{\prime \prime}$ | 3 pcs. $\left(1^{\prime \prime}, 2^{\prime \prime}, 4^{\prime \prime}\right)$ | $4^{\prime \prime} \times .63^{\prime \prime}, .0002^{\prime \prime}$ |
| $0-8^{\prime \prime}$ | 7237 | $.2^{\prime \prime}$ | $\pm .002^{\prime \prime}$ | 4 pcs. $\left(.5^{\prime \prime}, 1^{\prime \prime}, 2^{\prime \prime}, 4^{\prime \prime}\right)$ | $2.5^{\prime \prime} \times .63^{\prime \prime}, .0002^{\prime \prime}$ |
| $0-8^{\prime \prime}$ | 7238 | $.2^{\prime \prime}$ | $\pm .002^{\prime \prime}$ | 4 pcs. $\left(.5^{\prime \prime}, 1^{\prime \prime}, 2^{\prime \prime}, 4^{\prime \prime}\right)$ | $4^{\prime \prime} \times .63^{\prime \prime}, .0002^{\prime \prime}$ |

## SPC

## ABSOLUTE

Absolute System Patented by MITUTOYO

## Technical Data of Digital Mode

Accuracy: Refer to the list of specifications. (excluding quantizing error for digital models)
Resolution: $0.001 \mathrm{~mm}, 0.01 \mathrm{~mm}, .00005$ " $/ 0.001 \mathrm{~mm}$ or $0005^{\prime \prime} / 0.01 \mathrm{~mm}$
Flatness of base face: $5 \mu \mathrm{~m}$ or $2 \mu \mathrm{~m}$
Contact point: Carbide-tipped ball point or needle
Measuring force: 1.5 N
Display: LCD
Battery: SR44 (1 pc.), 938882
Battery life: Approx. 5000 hours under normal use
Technical Data of Dial Mode
Accuracy: Refer to the list of specifications. (excluding quantizing error for digital models)
Dial reading: 0.01 mm or $.001^{\prime \prime}$
Flatness of base face: $5 \mu \mathrm{~m}$ or $2 \mu \mathrm{~m}$
Contact point: Carbide-tipped ball point
(needle point: 7210, 7222)
Measuring force: $1.4 \mathrm{~N}(2.5 \mathrm{~N}: \mathbf{7 2 1 3}, \mathbf{7 2 1 4}, \mathbf{7 2 1 7}, \mathbf{7 2 1 8})$

## Function of Digital Model

Origin-set, Zero-setting, Data hold, Data output, inch/mm conversion (inch/mm models)
Alarm: Low voltage, Counting value composition error

## Optional Accessory for Digital Model <br> 905338: $\quad$ SPC cable (1m)

905409: SPC cable ( 2 m )

DIMENSION


7231, $7237 \mathrm{~A}=63.5 \mathrm{~mm}$
$7238 \mathrm{~A}=101.6 \mathrm{~mm}$


547-211, 547-251, 547-217, 547-257 A= 63.5 mm 547-212, 547-252, 547-218, 547-258 $A=101.6 \mathrm{~mm}$

## Tire Thread Depth Gage

## SERIES 571, 700

## FEATURES

- ABSOLUTE Digimatic Thread Depth Gage can keep track of the origin point once set for the entire life of the battery. (series 571)
- Specially designed to measure tire thread depth.
- Plastic construction for light-weight use. (series 700)
- With SPC data output. (series 571)


SPECIFICATIONS

| Metric |  |  |  |
| :--- | :--- | :--- | :---: |
| Range | Order No. | Accuracy |  |
| $0-25 \mathrm{~mm}$ | $571-100 \mathrm{MOT}-10$ | $\pm 0.02 \mathrm{~mm}$ |  |
| $0-25 \mathrm{~mm}$ | $700-104$ | $\pm 0.2 \mathrm{~mm}$ |  |

Inch/Metric

| Range | Order No. | Accuracy |
| :--- | :--- | :--- |
| $0-1^{\prime \prime}$ | $571-200 \mathrm{MOT}-10$ | $\pm .0005^{\prime \prime}$ |
| $0-1^{\prime \prime}$ | $700-105$ | $\pm .008^{\prime \prime}$ |

## SPC

## ABSOLUTE

Absolute System Patented by MITUTOYO
(Refer to the page 9 for details.)

## Technical Data

Accuracy: Refer to the list of specifications. (excluding quantizing error for digital models)
Resolution: 0.01 mm or $.0005 " / 0.01 \mathrm{~mm}$ ( 571 series) 0.1 mm or $.001^{\prime \prime} / 0.1 \mathrm{~mm}$ (700 series)

Display: LCD
Battery: SR44 (1 pc.), 938882
Battery life: Approx. 2 years under normal use (approx. 2000 hours: series 571)

## Function

Origin-set*, Zero-setting, Data output* Power ON/OFF,
inch/mm conversion (inch/mm models)
Alarm: Low voltage, Counting value composition error
*series 571
Optional Accessory for series 571
959143: Data hold unit
959149: SPC cable with data switch (1m)
959150: SPC cable with data switch (2m)


