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 25mm increments.
- With ratchet stop for constant force.
- With measuring rod clamp.
- With SPC output (series 329).
- With digit counter (series 229).

329-250

129-110

SPECIFICATIONS

Metric Digital model

Range	Order No.	Remarks (base / rod)	
0 - 150mm	**329-250**	101.6 x 16mm	w/ 6 rods
0 - 300mm	**329-251**	101.6 x 16mm	w/ 12 rods

Inch/Metric Digital model

Range	Order No.	Remarks (base / rod)	
0 - 6″	**329-350**	4″ x .63″	w/ 6 rods
0 - 12″	**329-351**	4″ x .63″	w/ 12 rods

Metric Digit counter model

Range	Order No.	Remarks (base / rod)	
0 - 25mm	**229-101**	63.5 x 16mm	w/ 1 rod
0 - 25mm	**229-102**	101.6 x 16mm	w/ 1 rod
0 - 50mm	**229-109**	63.5 x 16mm	w/ 2 rods
0 - 50mm	**229-113**	101.6 x 16mm	w/ 2 rods

Inch Digit counter model

Range	Order No.	Remarks (base / rod)	
0 - 4″	**229-127**	2.5″ x .63″	w/ 4 rods
0 - 4″	**229-131**	4″ x .63″	w/ 4 rods
0 - 6″	**229-128**	2.5″ x .63″	w/ 6 rods
0 - 6″	**229-132**	4″ x .63″	w/ 6 rods

Metric

Range	Order No.	Remarks (base / rod)	
0 - 50mm	**129-109**	63.5 x 16mm	w/ 2 rods
0 - 50mm	**129-113**	101.6 x 16mm	w/ 2 rods
0 - 75mm	**129-110**	63.5 x 16mm	w/ 3 rods
0 - 75mm	**129-114**	101.6 x 16mm	w/ 3 rods
0 - 100mm	**129-111**	63.5 x 16mm	w/ 4 rods
0 - 100mm	**129-115**	101.6 x 16mm	w/ 4 rods
0 - 150mm	**129-112**	63.5 x 16mm	w/ 6 rods
0 - 150mm	**129-116**	101.6 x 16mm	w/ 6 rods

Inch

Range	Order No.	Remarks (base / rod)	
0 - 3″	**129-126**	2.5″ x .63″	w/ 3 rods
0 - 3″	**129-130**	4″ x .63″	w/ 3 rods
0 - 4″	**129-127**	2.5″ x .63″	w/ 4 rods
0 - 4″	**129-131**	4″ x .63″	w/ 4 rods
0 - 6″	**129-128**	2.5″ x .63″	w/ 6 rods
0 - 6″	**129-132**	4″ x .63″	w/ 6 rods
0 - 12″	**129-149**	2.5″ x .63″	w/ 12 rods
0 - 12″	**129-150**	4″ x .63″	w/ 12 rods

Technical Data

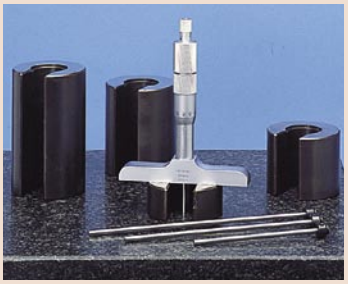
Accuracy: ±3µm for micrometer head feed (excluding quantizing error for digital models)
±(2+L/75)µm for interchangeable rod,
L = Max. measuring length (mm)
Fraction rounded up
Resolution*: 0.001mm or .00005"/0.001mm (.0001″/0.001mm: **329-351**)
Graduation**: 0.01mm or .001″
Flatness of reference face: 1.3µm for 63.5mm width base, 2µm for 101.6mm width base
Flatness of measuring rod face: 0.3µm
Parallelism between reference face and measuring rod face: (4+L/50)µm, L = Max. measuring length (mm)
Fraction rounded up
Measuring rod diameter: 4mm
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

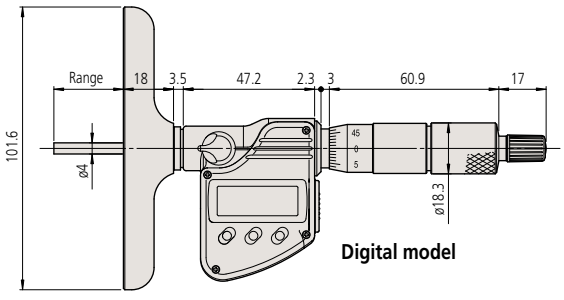
Optional Accessory for Digital Model

05CZA662: SPC cable with data switch (1m)
05CZA663: SPC cable with data switch (2m)

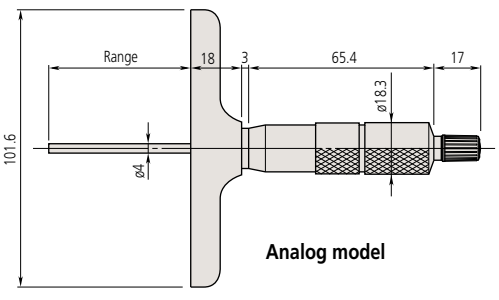


DIMENSION

Unit: mm



Digital model



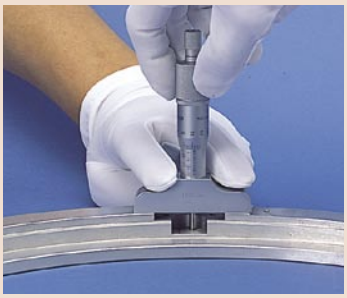
Analog model

Depth Micrometer

SERIES 128

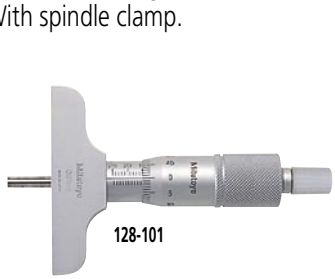
Technical Data

Accuracy: ±3µm for micrometer head feed
Graduation: 0.01mm or .001″
Flatness of reference face: 1.3µm for 63.5mm width base,
2µm for 101.6mm width base
Flatness of measuring rod face: 0.3µm



FEATURES

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


128-101


128-102

SPECIFICATIONS

Metric

Range	Order No.	Remarks (base)
0 - 25mm	**128-101**	63.5 x 16mm
0 - 25mm	**128-103***	63.5 x 16mm
0 - 25mm	**128-102**	101.6 x 16mm
0 - 25mm	**128-104***	101.6 x 16mm

*with carbide-tipped measuring rod

Inch

Range	Order No.	Remarks (base)
0 - 1″	**128-105**	2.5″ x .63″
0 - 1″	**128-106**	4″ x .63″

Depth Micro Checker

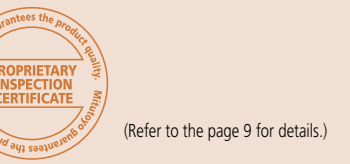
SERIES 515


515-570

515-571

FEATURES

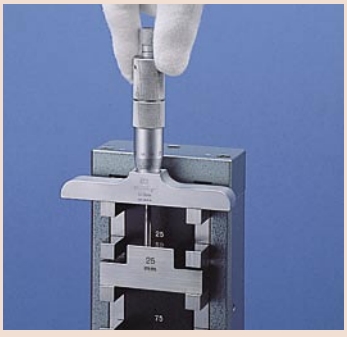
- The Depth Micro Checker is designed to efficiently check the zero point of a depth micrometer.



(Refer to the page 9 for details.)

Technical Data

Block pitch accuracy: ±(1+L/150)µm,
L = Length to check (mm)
Anvil block accuracy: ±0.5µm



SPECIFICATIONS

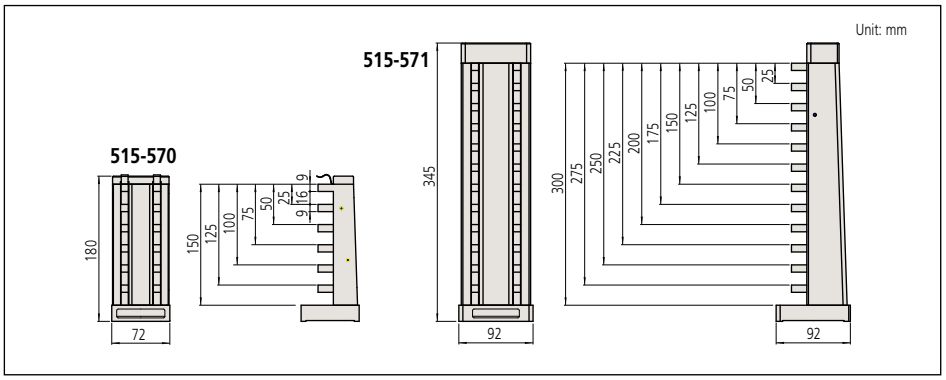
Metric

Range	Order No.	Remarks (length to check)
0 - 150mm	**515-570**	25, 50, 75, 100, 125, 150mm
0 - 300mm	**515-571**	25, 50, 75, 100, 125, 150, 175, 200, 225, 250, 275, 300mm

Inch

Range	Order No.	Remarks (length to check)
0 - 6″	**515-575**	1″, 2″, 3″, 4″, 5″, 6″

DIMENSION



Mitutoyo