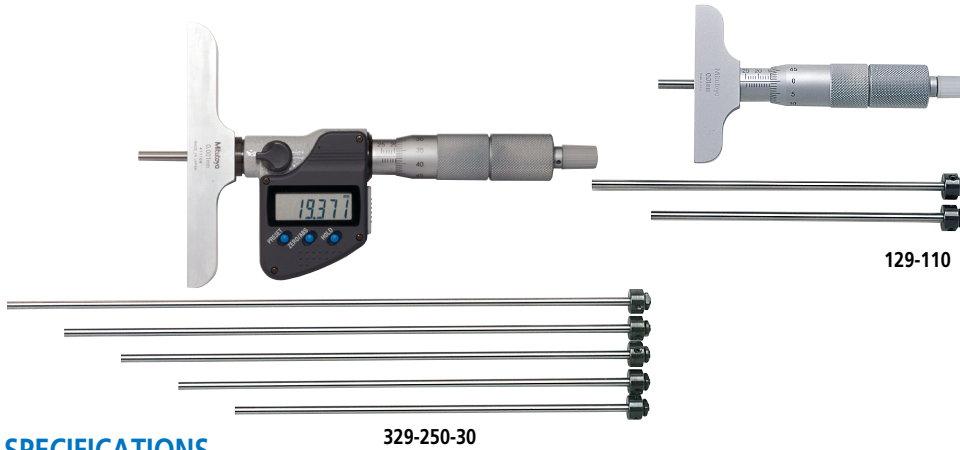


# Depth Gage

A standard measuring tool of industry

## Depth Micrometer SERIES 329, 129 — Interchangeable Rod Type

- This type uses interchangeable rods to enable wide-range measurement.
- **Order Nos. 329-250-30, 329-251-30, 329-350-30, and 329-351-30** allow integration into statistical process control and measurement systems.
- Measuring rod diameter:  $\varnothing 4\text{mm}$
- Measuring rod lock.
- Ratchet stop provides constant measuring force.



### SPECIFICATIONS

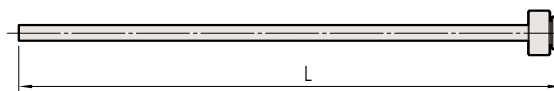
Metric					Inch/Metric				
Order No.	Range	Resolution	Base	No. of rods	Order No.	Range	Resolution	Base	No. of rods
Digimatic (LCD)					Digimatic (LCD)				
329-250-30	0 - 150mm	0.001mm	101.6 x 16mm	6	329-350-30	0 - 6"	.00005"/0.001mm	4" x .63"	6
329-251-30	0 - 300mm			12	329-351-30	0 - 12"			.0001"/0.001mm

Metric					Inch				
Order No.	Range	Graduation	Base	No. of rods	Order No.	Range	Graduation	Base	No. of rods
Analog					Analog				
129-154	0 - 25mm	.01mm	63.5 x 16mm	1	129-129	0 - 2"	.001"	4" x .63"	2
129-155			101.6 x 16mm		2.5" x .63"	3			
129-109	0 - 50mm	.01mm	63.5 x 16mm	2	129-130	0 - 3"	.001"	4" x .63"	3
129-113			101.6 x 16mm		2.5" x .63"	4			
129-110	0 - 75mm	.01mm	63.5 x 16mm	3	129-131	0 - 4"	.001"	4" x .63"	4
129-114			101.6 x 16mm		2.5" x .63"	6			
129-111	0 - 100mm	.01mm	63.5 x 16mm	4	129-128	0 - 6"	.001"	2.5" x .63"	6
129-115			101.6 x 16mm		4" x .63"	12			
129-112	0 - 150mm	.01mm	63.5 x 16mm	6	129-132	0 - 6"	.001"	4" x .63"	6
129-116			101.6 x 16mm		2.5" x .63"			12	
129-152	0 - 300mm	.01mm	63.5 x 16mm	12	129-149	0 - 12"	.001"	2.5" x .63"	12
129-153			101.6 x 16mm		4" x .63"			12	

\* For the function of Digimatic models 329-250-30, 329-251-30, 329-350-30, and 329-351-30, refer to page D-62. These models are not waterproof.

### Interchangeable rod (Optional Accessories) (Check and adjust the origin point before measurement)



Unit: mm

Range	0 - 25mm	25 - 50mm	50 - 75mm	75 - 100mm	100 - 125mm	125 - 150mm	150 - 175mm	175 - 200mm	200 - 225mm	225 - 250mm	250 - 275mm	275 - 300mm	
Analog models	Order No.	983501	983503	983505	983507	983509	983511	983525	983527	983529	983531	983533	983535
	L	104mm	129mm	154mm	179mm	204mm	229mm	254mm	279mm	304mm	329mm	354mm	379mm
Digimatic models	Order No.	983505	983507	983509	983511	983525	983527	983529	983531	983533	983535	981781	981782
	L	154mm	179mm	204mm	229mm	254mm	279mm	304mm	329mm	354mm	379mm	404mm	429mm

Range	0 - 1"	1 - 2"	2 - 3"	3 - 4"	4 - 5"	5 - 6"	6 - 7"	7 - 8"	8 - 9"	9 - 10"	10 - 11"	11 - 12"	
Analog models	Order No.	983502	983504	983506	983508	983510	983512	983526	983528	983530	983532	983534	983536
	L	104.3mm	129.7mm	155.1mm	180.5mm	205.9mm	231.3mm	256.7mm	282.1mm	307.5mm	332.9mm	358.3mm	383.7mm
Digimatic models	Order No.	983506	983508	983510	983512	983526	983528	983530	983532	983534	983536	981783	981784
	L	155.1mm	180.5mm	205.9mm	231.3mm	256.7mm	282.1mm	307.5mm	332.9mm	358.3mm	383.7mm	409.1mm	434.5mm

### Technical Data

Accuracy:  
 $\pm 3\mu\text{m}/\pm 0.00015"$  for micrometer head  
 (Excluding quantizing error)  
 Flatness of reference face:  
 $1.3\mu\text{m}$  (.00005") for 63.5mm (2.5") length base,  
 $2\mu\text{m}$  (.00008") for 101.6mm (4") length base  
 Flatness of measuring rod face:  $0.3\mu\text{m}$   
 Parallelism between reference face and measuring rod face:  
 $(4+R/50)\mu\text{m}$ , R = Max. measuring length (mm)  
 Fraction rounded up  
 $\pm(2+R/75)\mu\text{m}$  for interchangeable rod,  
 R = Max. range (mm)  
 Fraction rounded up  
 Battery: **SR44** (1 pc), **938882**,  
 for initial operational checks (standard accessory)  
 Battery life\*: Approx. 2.4 years under normal use  
 \* Digital models  
 Scale type: Electromagnetic induction absolute encoder



### Optional accessories for 329-250-30, 329-251-30, 329-350-30, and 329-351-30.

For details, refer to page A-21.  
 Connection cable for 329-250-30, 329-251-30, 329-350-30, and 329-351-30  
**05CZA662**: SPC cable with data button (1m)  
**05CZA663**: SPC cable with data button (2m)  
**USB Input Tool Direct**  
**06ADV380B**: SPC cable for **USB-ITN-B** (2m)  
 Connection cables for U-WAVE-T  
**02AZD790B**: SPC cable for **U-WAVE** with data button (160mm)  
**02AZE140B**: SPC cable for footswitch