



This is a exclusive instrument which measures steps and depth of workpiece by hand. These depth gauges are direct reading instruments referencing from their hardened and ground bases.

Setting "0" by sticking bottom face of base to measuring basics (zero point) and rotating Bezel. (Bezel is fixed by clamp at that time) Then, it reads with short hand and pointer how contact point is salient from that position. Analog and Digital models are available and they correspond to usage of shape of contact point and basic size. There are such standard models of stroke of 10mm, 20m, 30mm, and it can comparatively measure depth of 220mm to 240mm by connecting extension rods.

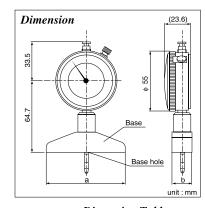


Dial Depth Gauge

- Dial Depth Gauge can be used to measure depth and steps of workpiece and coating thickness.
- 5~240mm Range (with the supplied extension rods) are available for wide application.
- Lifting lever can be mounted (option).

Measuring Range: 10mm





Dimension Table Model Base foam E

	Model	Base foam	Base hole	
	wodei	a×b	diameter	
D	M-210	75 × 16	φ 2.5	
D	M-211	75 × 16	φ 2.5	
D	M-213	75 × 16	φ 5.2	
D	M-214	100 × 16	φ 5.2	

unit : mm

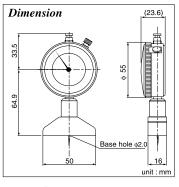
SE NCCHICA AT TO TO THE PARTY OF THE PARTY O	DM-214 Graduation 0.01mm Measuring Range 220mm Indication Range 10mm with 5-Extension rods
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0mm						
ods	specifications		« Measuring range	e:() value is	a range by using 5pcs	extension rod
		Graduation	Measuring Range	Accuracy	Contact point form	Standard Co

Model	Graduation (mm)	Measuring Range (mm)	Accuracy (μm)	Contact point form (or shape) (mm)	Standard Contact Point	Measuring Force (N)	Weight (g)
DM-210	0.01	10	12	Needle	ZS-523	1.4 or less	270
DM-211	0.01	10	12	φ 2 Flat	ZS-530	1.4 or less	270
DM-213	0.01	10	12	ф 3.2 Ball	ZS-034	2.5 or less	270
DM-214	0.01	10(220)	12	φ 3.2 Ball	ZS-034	2.5 or less	335

Measuring Range: 5mm



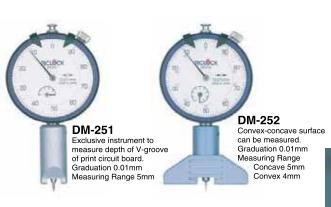


Specifications

Model	Graduation (mm)	Measuring Range (mm)	Accuracy (μm)	Contact point form (or shape)	Standard Contact Point	Measuring Force (N)	Weight (g)
DM-250	0.01	5	10	Needle	ZS-518	1.4 or less	230



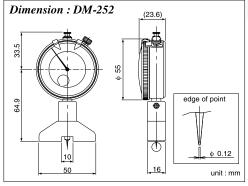






V-Grooved depth measurement of Print circuit board by using DM-251.

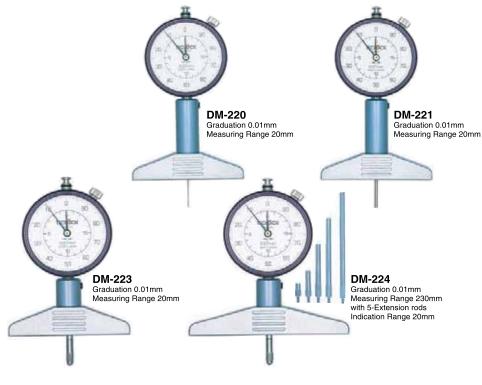
Dimension: DM-251 (23.6) (23

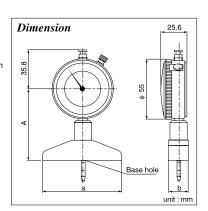


Specifications

1 0							
Model	Graduation (mm)	Measuring Range (mm)	Accuracy (μm)	Contact point form (or shape)	Standard Contact Point	Measuring Force (N)	Weight (g)
DM-251	0.01	5	10	Special Needle	ZS-106	1.4 or less	165
DM-252	0.01	Concave 5, Convex 4	10	Needle	ZS-595	1.4 or less	230

Measuring Range: 20mm





Dimension Table

Model	А	Base foam a × b	Base hole diameter
DM-220	84.7	75 × 16	ф 2.5
DM-221	84.7	75 × 16	φ 2.5
DM-223	64.7	75 × 16	φ 5.2
DM-224	64.7	100 × 16	φ 5.2

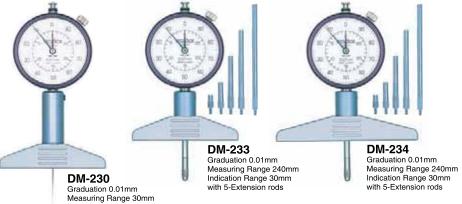
unit : mm

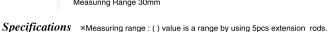
Specifications *Measuring range: () value is a range by using 5pcs extension rods.

	Model	Graduation (mm)	Measuring Range (mm)	Accuracy (μm)	Contact point form (or shape) (mm)	Standard Contact Point	Measuring Force (N)	Weight (g)
ı	DM-220	0.01	20	15	Needle	ZS-543	2.2 or less	300
	DM-221	0.01	20	15	φ 2 Flat	ZS-541	2.2 or less	300
ı	DM-223	0.01	20	15	φ 3.2 Ball	ZS-034	2.2 or less	275
	DM-224	0.01	20(230)	15	φ 3.2 Ball	ZS-034	2.5 or less	340



Measuring Range: 30mm





Model	Graduation (mm)	Measuring Range (mm)	Accuracy (μm)	Contact point form (or shape) (mm)	Standard Contact Point	Measuring Force (N)	Weight (g)
DM-230	0.01	30	35	Needle	ZS-543	2.5 or less	315
DM-233	0.01	30(240)	35	φ 3.2 Ball	ZS-034	2.5 or less	315
DM-234	0.01	30(240)	35	ф 3.2 Ball	ZS-034	2.5 or less	355

Dimension 25.6 Base hole unit : mm

Dimension Table

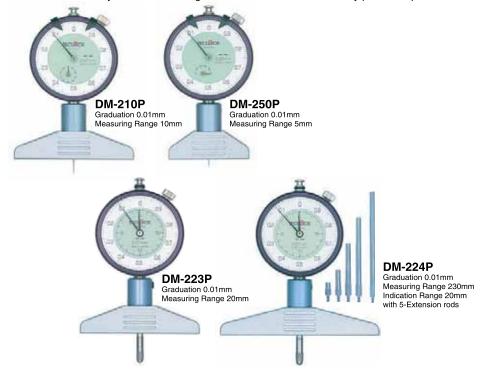
Model	А	Base foam	Base hole			
wodei	4	a×b	diameter			
DM-230	84.7	75 × 16	φ 2.5			
DM-233	64.7	75 × 16	φ 5.2			
DM-234	64.7	100 × 16	φ 5.2			

unit : mm

P Series (0.1mm type)

This is direct reading specification of which graduation are 0.1~0.9 mm.

1~10mm can be read by short hand and figure below decimal can be read by pointer. It prevents misreading.

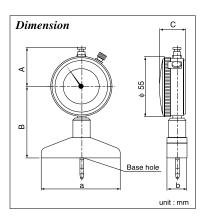


Specifications	*Measuring range : () value is a range by using 5pcs extension rods.
op com canon c	militiododning range . () value to a range by doing open extension road

Specific	alions	*Measuring range: () value is a range by using 5pcs extension rods.							
Model	Graduation (mm)	Measuring Range (mm)	Accuracy (μm)	Contact point form (or shape) (mm)	Standard Contact Point	Measuring Force (N)	Weight (g)		
DM-210P	0.01	10	12	Needle	ZS-523	1.4 or less	270		
DM-250P	0.01	5	10	Needle	ZS-518	1.4 or less	230		
DM-223P	0.01	20	15	φ 3.2 Ball	ZS-034	2.2 or less	275		
DM-224P	0.01	20(230)	15	φ 3.2 Ball	ZS-034	2.5 or less	340		



exp. 3.18mm of direct reading.



Dimension Table

Model	Α	В	С	Base foam a × b	Base hole diameter
DM-210P	33.5	64.7	23.6	75 × 16	φ 2.5
DM-250P	33.5	64.9	23.6	50 × 16	ф 2.0
DM-223P	35.8	64.7	25.6	75 × 16	φ 5.2
DM-224P	35.8	64.7	25.6	100 × 16	φ 5.2

unit : mm

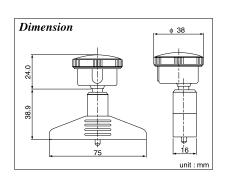




Dial Depth Gauges (Special) -

Back plunger type



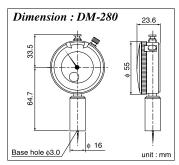


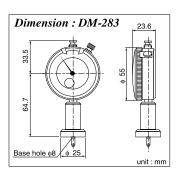
Specifications

Model	Graduation (mm)	Measuring Range (mm)	Accuracy (μm)	Contact point form (or shape)	Standard Contact Point	Measuring Force (N)	Weight (g)
DM-273	0.01	5	± 20	ф 3.2 Ball	ZS-105	1.4 or less	300

Round Base type







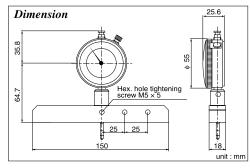
Specifications

Model	Graduation	Measuring	Accuracy	Contact point form	Standard	Measuring	Weight
Model	(mm)	Range (mm)	(μm)	(or shape)	Contact Point	Force (N)	(g)
DM-280	0.01	10	12	Needle	ZS-523	1.4 or less	175
DM-283	0.01	10	12	φ 3.2 Ball	ZS-034	1.4 or less	185

Gauge Slide type

Steps measurement can be easily made by moving the gauge to 3 mounting holes.





* Measuring range : () value is a range by using 5pcs extension rods.

Model	Graduation (mm)	Measuring Range (mm)	Accuracy (μm)	Contact point form (or shape)	Standard Contact Point	Measuring Force (N)	Weight (g)
DM-293	0.01	20(230)	15	φ 3.2 Ball	ZS-034	2.5 or less	340

Coating thickness Gauges

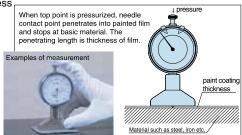
 Exclusive instrument to measure coating thickness of paint, coating materials and sealing materials.

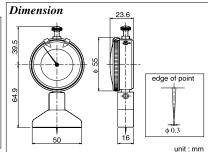
Handy type and operation is easy.



Thickness measurement of painted film waterproof stuff (measuring by pressurization)

Graduation 0.01mm Measuring Range 5mm





Specifications

1 3							
Model	Graduation (mm)	Measuring Range (mm)	Accuracy (μm)	Contact point form (or shape)	Standard Contact Point	Measuring Force (N)	Weight (g)
DM-264	0.01	5	10	Needle	ZS-518	1.4 or less	230



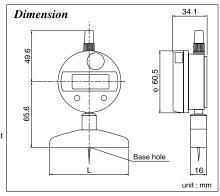


Conventional Digital Depth Gauges

- Digital Exclusive instrument to measure depth and steps of workpiece.
- Low cost and conventional model of which preset function is deleted from standard digital depth
- Operation is equal to standard digital depth gauges, but it can not measure by installing extension rods. In case that measuring range is over 10mm, please use standard digital depth gauges.
- Printing out of measured data and statistics arithmetic operation can be implemented by connecting it to optional Digital mini-printer SD-763P

0.01mm Conventional Digital Depth Gauge





Dimension Table Base hole Model diameter DMD-210S 75 φ 2.5 DMD-211S φ 2.5 75 DMD-213S φ 5.2 DMD-250S 50 φ 2.0 DMD-252S ф 8.0 DMD-2100S φ 2.5 φ 2.5

φ 5.2

φ 2.0

ф 8.0

DMD-2130S

DMD-2500S

DMD-2520S

50 unit : mm

0.001mm Conventional Digital Depth Gauge



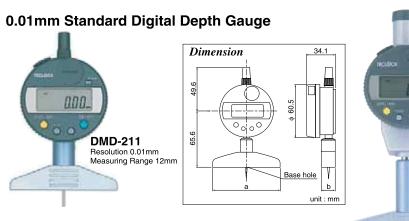
Specifications

Model	Resolution (mm)	Measuring Range (mm)	Accuracy* (μm)	Contact point form (or shape) (mm)	Standard Contact Point	Measuring Force (N)	Weight (g)
DMD-210S	0.01	10	20	Needle	ZS-523	2.0 or less	270
DMD-211S	0.01	10	20	φ2 flat	ZS-530	2.0 or less	270
DMD-213S	0.01	10	20	φ 3.2 Steel Ball	ZS-034	2.0 or less	270
DMD-250S	0.01	5	20	Needle	ZS-518	2.0 or less	205
DMD-252S	0.01	Concave 5, Convex 4	20	Needle	ZS-595	2.0 or less	200
DMD-2100S	0.001	10	3	Needle	ZS-523	2.0 or less	300
DMD-2110S	0.001	10	3	φ 2 flat	ZS-530	2.0 or less	300
DMD-2130S	0.001	10	3	φ 3.2 Steel Ball	ZS-034	2.0 or less	300
DMD-2500S	0.001	5	3	Needle	ZS-518	2.0 or less	235
DMD-2520S	0.001	Concave 5, Convex 4	3	Needle	ZS-595	2.0 or less	230

^{*}The quantizing error function is not included.

Standard Digital Depth Gauges

- Digital Depth Gauge can be used for direct measuring depth and steps of workpiece.
- Printing out of measured data and statistics arithmetic operation can be implemented by connecting it to optional Digital mini-printer SD-763P
- Extension rods can be used by Preset function. (excepting DMD-210, DMD-211 and DMD-2100).

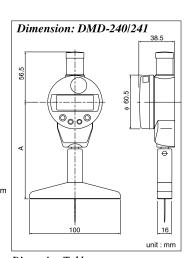


Dimension Table

Model	Base foam	Base hole	
Wodel	a	diameter	
DMD-210	75 × 16	φ 2.5	
DMD-211	75 × 16	φ 2.5	
DMD-213	75 × 16	φ 5.2	
DMD-214	75 × 16	φ 5.2	
DMD-215	100 × 16	φ 5.2	

unit: mm

DMD-240 Resolution 0.01mm Measuring Range 25.4mm



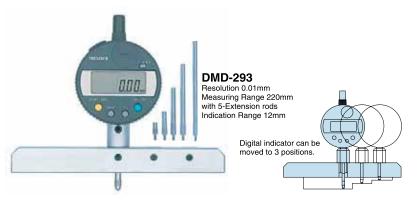
Dimension Table Model DMD-240 108.7

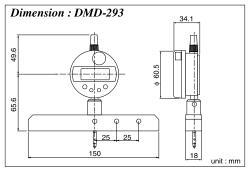
DMD-241

88.7 unit: mm





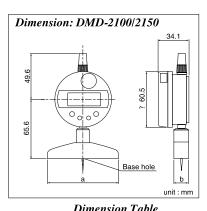




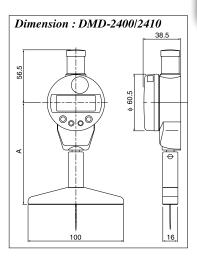
0.001mm Standard Digital Depth Gauge



DMD-2150 Resolution 0.001mm Measuring Range 220mm with 5-Extension rods Indication Range 12mm



Dimension Lavie							
Model	Base foam	Base hole					
Model	a×b	diameter					
DMD-2100	75 × 16	φ 2.5					
DMD-2150	100 × 16	φ 5.2					
		unit : mm					



Dimension Tab		
Model	Α	
DMD-2400	108.7	
DMD-2410	88.7	
	unit : mm	

Specifications	* Measuring range : () value is a range by using 5pcs extension rods.
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Model	Resolution (mm)	Measuring Range (mm)	Accuracy* (μm)	Contact point form (or shape) (mm)	Standard Contact Point	Measuring Force (N)	Weight (g)
DMD-210	0.01	12	20	Needle	ZS-523	1.0 or less	310
DMD-211	0.01	12	20	φ 2 flat	ZS-530	1.0 or less	310
DMD-213	0.01	12	20	φ 3.2 Steel Ball	ZS-034	1.0 or less	310
DMD-214	0.01	12(220)	20	φ 3.2 Steel Ball	ZS-034	2.3 or less	335
DMD-215	0.01	12(220)	20	φ 3.2 Steel Ball	ZS-034	2.3 or less	375
DMD-240	0.01	25.4	30	Needle	ZS-113	1.6 or less	390
DMD-241	0.01	25.4	30	φ 3.2 Steel Ball	ZS-600	1.6 or less	370
DMD-293	0.01	12(220)	20	φ 3.2 Steel Ball	ZS-034	2.3 or less	545
DMD-2100	0.001	12	3	Needle	ZS-523	1.0 or less	310
DMD-2150	0.001	12(220)	3	φ 3.2 Steel Ball	ZS-034	2.3 or less	375
DMD-2400	0.001	25.4	3	Needle	ZS-113	1.6 or less	390
DMD-2410	0.001	25.4	3	φ 3.2 Steel Ball	ZS-600	1.6 or less	370

*The quantizing error function is not included.