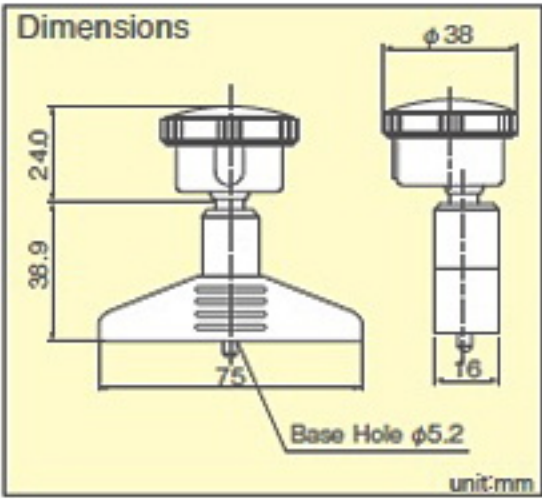
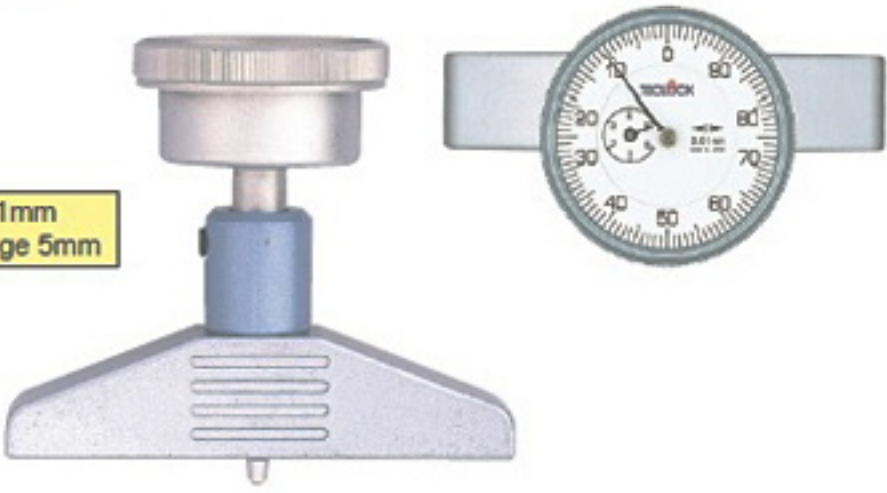


Back plunger type

DM-273

Graduation 0.01mm
Measuring Range 5mm



Specifications

Model	Graduation (mm)	Measuring Range (mm)	Accuracy (μm)	Contact Point Form (mm)	Standard Contact Point	Measuring Force (N)	Weight (g)
DM-273	0.01	5	±10	φ3.2 Ball	ZS-105	1.4 or less	210

Round Base type

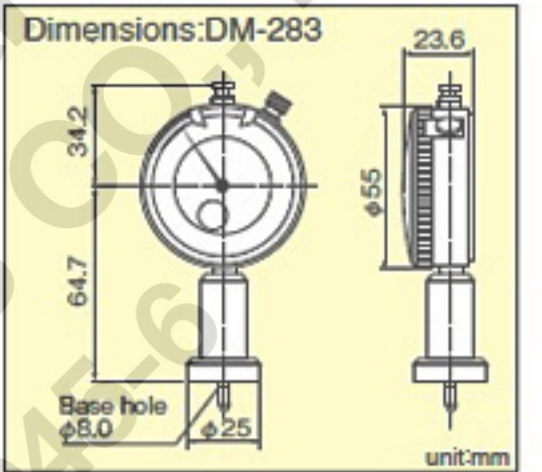
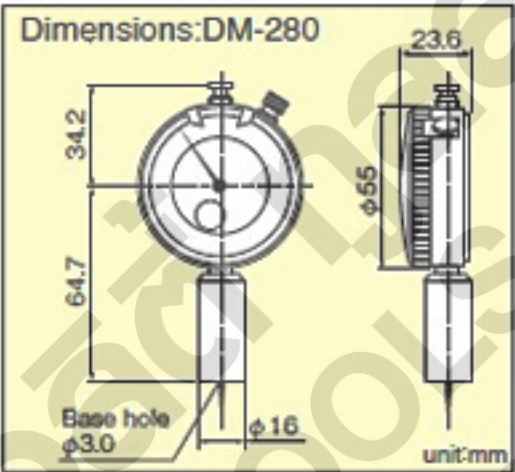
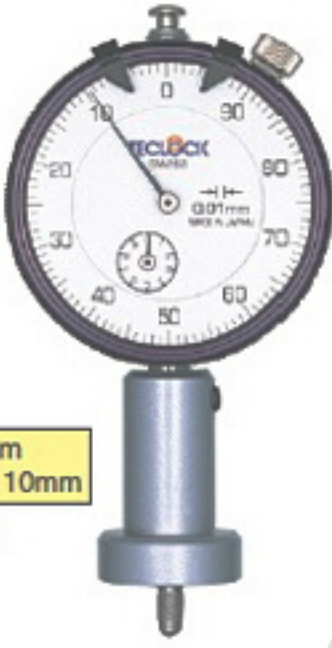
DM-280

Graduation 0.01mm
Measuring Range 10mm
Base form φ16mm



DM-283

Graduation 0.01mm
Measuring Range 10mm
Base form φ25mm



Specifications

Model	Graduation (mm)	Measuring Range (mm)	Accuracy (μm)	Contact Point Form (mm)	Standard Contact Point	Measuring Force (N)	Weight (g)
DM-280	0.01	10	±12	Needle	ZS-523	1.4 or less	175
DM-283	0.01	10	±12	φ3.2 Ball	ZS-034	1.4 or less	185

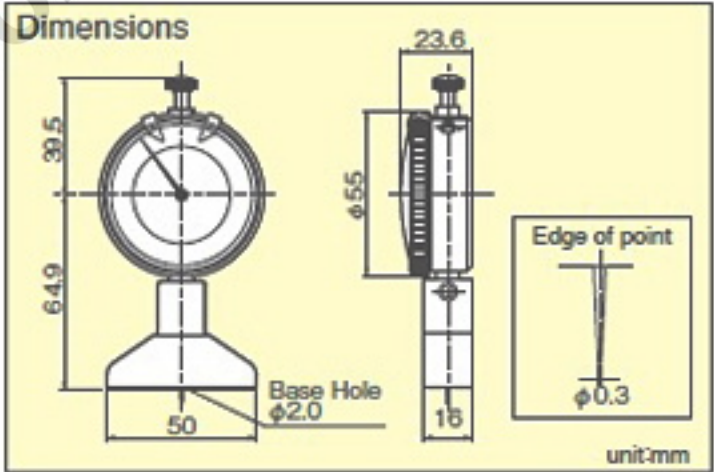
DM-264

Small-based
handy type

Graduation 0.01mm
Measuring Range 5mm



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



Specifications

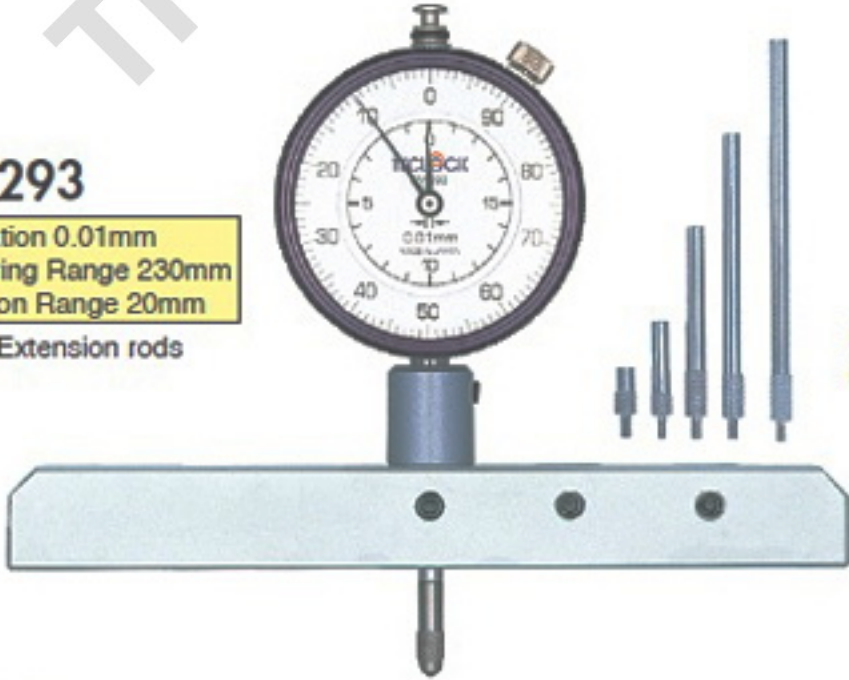
Model	Graduation (mm)	Measuring Range (mm)	Accuracy (μm)	Contact Point Form (mm)	Standard Contact Point	Measuring Force (N)	Weight (g)
DM-264	0.01	5	±10	Needle	ZS-518	1.4 or less	230

Gauge Slide type

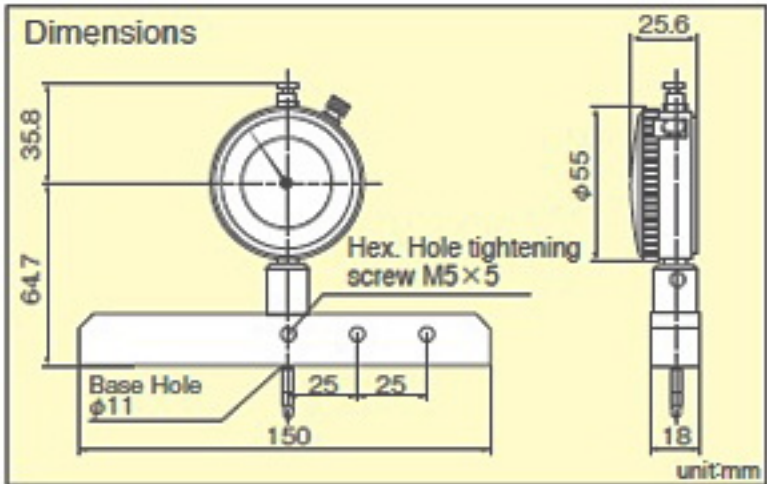
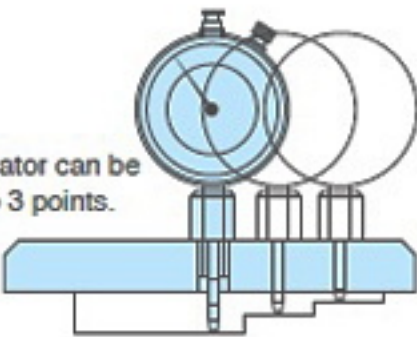
• Steps measurement can be easily made by moving the gauge to 3 mounting holes.

DM-293

Graduation 0.01mm
Measuring Range 230mm
Indication Range 20mm
With 5-Extension rods



Dial indicator can be
moved to 3 points.



Specifications


※Measuring Range : () value is a Range by using 5pcs extension rods.

Model	Graduation (mm)	Measuring Range (mm)	Accuracy (μm)	Contact Point Form (mm)	Standard Contact Point	Measuring Force (N)	Weight (g)
DM-293	0.01	20 (230)	±15	φ3.2 Ball	ZS-034	2.5 or less	510

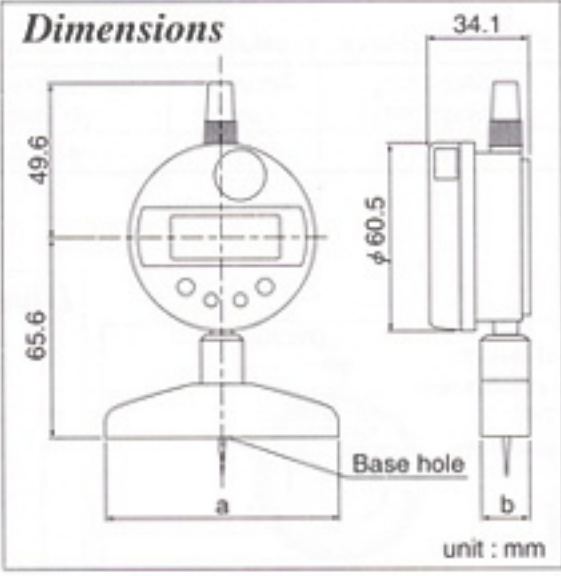
Standard Digital Depth Gauges

- 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 shown on page 42.
- Extension rods can be used by Preset function. (excepting DMD-210, DMD-211 and DMD-2100).

0.01mm Standard Digital Depth Gauges

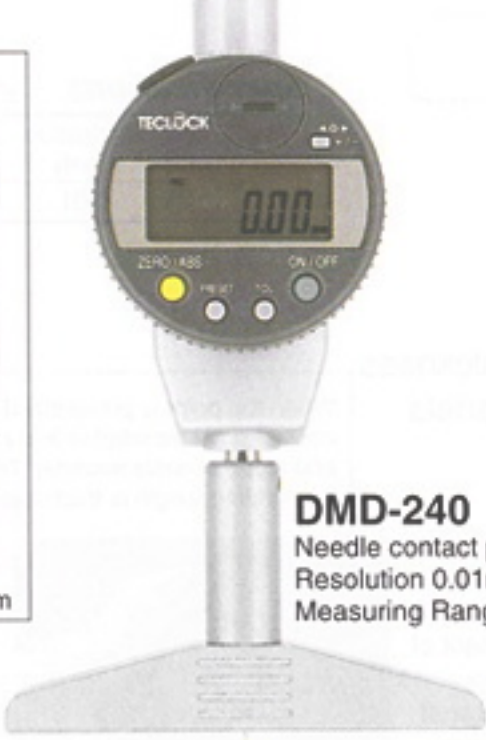


DMD-211
Resolution 0.01mm
Measuring Range 12mm

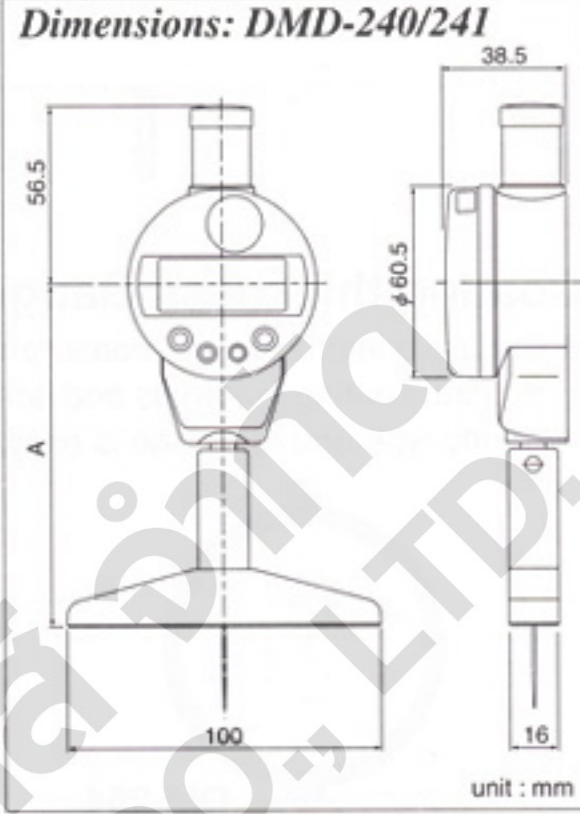


Dimensions

unit : mm



DMD-240
Needle contact points
Resolution 0.01mm
Measuring Range 25.4mm



Dimensions: DMD-240/241

unit : mm

Dimension Table

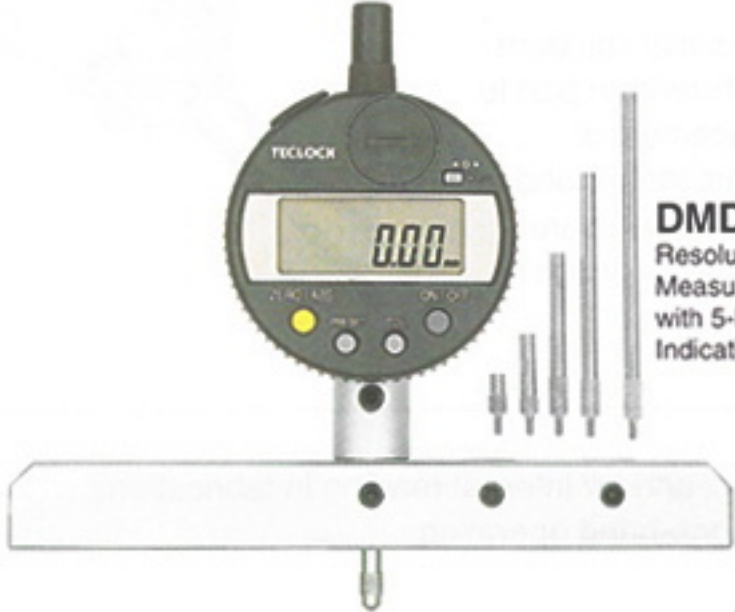
Model	Base foam a×b	Base hole diameter
DMD-210	75×16	φ2.5
DMD-211	75×16	φ2.5
DMD-213	75×16	φ5.2
DMD-214	75×16	φ5.2
DMD-215	100×16	φ5.2

unit : mm

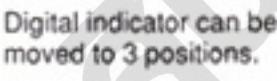
Dimension Table

Model	A
DMD-240	108.7
DMD-241	88.7

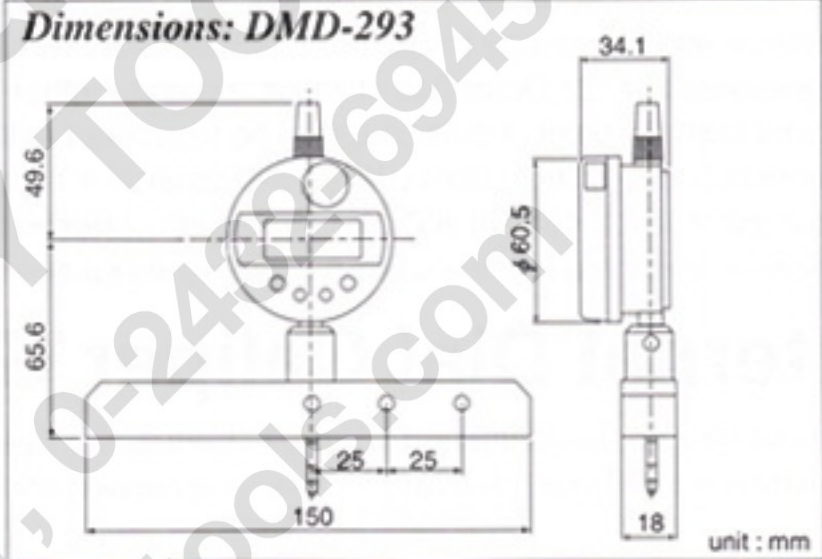
unit : mm



DMD-293
Resolution 0.01mm
Measuring Range 220mm
with 5-Extension rods
Indication Range 12mm




Digital indicator can be moved to 3 positions.



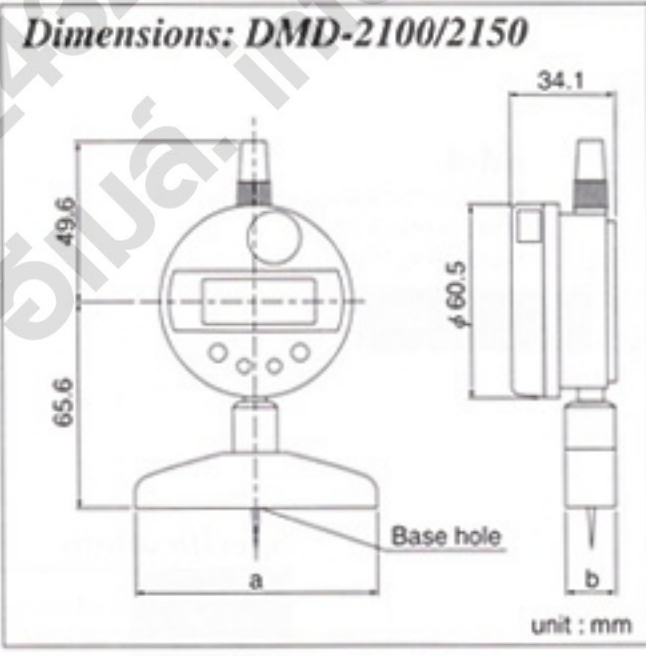
Dimensions: DMD-293

unit : mm

0.001mm Standard Digital Depth Gauges

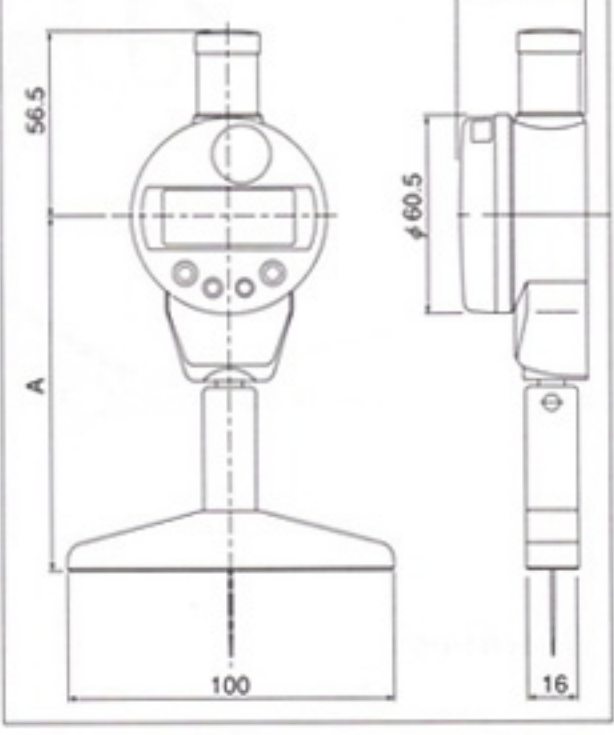


DMD-2150
Resolution 0.001mm
Measuring Range 220mm
with 5-Extension rods
Indication Range 12mm



Dimensions: DMD-2100/2150

unit : mm



Dimensions: DMD-2400/2410

unit : mm

Dimension Table

Model	Base foam a×b	Base hole diameter
DMD-2100	75×16	φ2.5
DMD-2150	100×16	φ5.2

unit : mm

Dimension Table

Model	A
DMD-2400	108.7
DMD-2410	88.7

unit : mm

Specifications ※Measuring Range : () value is a Range by using 5pcs extension rods.

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	φ2 flat	ZS-530	1.0 or less	310
DMD-213	0.01	12	20	φ3.2 Steel Ball	ZS-034	1.0 or less	310
DMD-214	0.01	12(220)※	20	φ3.2 Steel Ball	ZS-034	2.3 or less	335
DMD-215	0.01	12(220)※	20	φ3.2 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	φ3.2 Steel Ball	ZS-600	1.6 or less	370
DMD-293	0.01	12(220)※	20	φ3.2 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	φ3.2 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	φ3.2 Steel Ball	ZS-600	1.6 or less	370

*The quantizing error function is not included.

- 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 gauges.

- 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 shown on page 42.

0.01mm Conventional Digital Depth Gauges



DMD-210S2
Needle Contact Points
Resolution 0.01mm
Measuring Range 10mm



DMD-211S2
Φ2 Flat Needle Contact Point
Resolution 0.01mm
Measuring Range 10mm



DMD-213S2
Φ3.2 Steel Ball Contact Point
Resolution 0.01mm
Measuring Range 10mm



DMD-250S2
Needle Contact Points
Resolution 0.01mm
Measuring Range 5mm



DMD-252S2
Φ3.2 Steel Ball Contact
Resolution 0.01mm
Measuring Range Concave 5mm
Convex 4mm

0.001mm Conventional Digital Depth Gauges



DMD-2100S2
Needle Contact Points
Resolution 0.001mm
Measuring Range 10mm



DMD-2110S2
Φ2 Flat Needle Contact Point
Resolution 0.001mm
Measuring Range 10mm



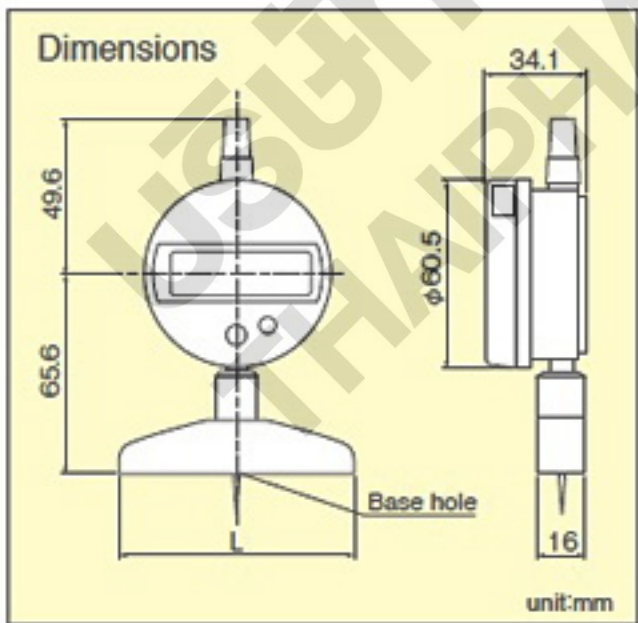
DMD-2130S2
Φ3.2 Steel Ball Contact Point
Resolution 0.001mm
Measuring Range 10mm



DMD-2500S2
Needle Contact Points
Resolution 0.001mm
Measuring Range 5mm



DMD-2520S2
Φ3.2 Steel Ball Contact Point
Resolution 0.001mm
Measuring Range Concave 5mm
Convex 4mm



Dimension Table

Model	Base Hole Diameter	L
DMD-210S2	Φ2.5	75
DMD-211S2	Φ2.5	75
DMD-213S2	Φ5.2	75
DMD-250S2	Φ2.0	50
DMD-252S2	Φ8.0	50
DMD-2100S2	Φ2.5	75
DMD-2110S2	Φ2.5	75
DMD-2130S2	Φ5.2	75
DMD-2500S2	Φ2.0	50
DMD-2520S2	Φ8.0	50

Specifications

Model	Resolution (mm)	Measuring Range (mm)	Accuracy* (μm)	Contact Point Form (or shape) (mm)	Standard Contact Point	Measuring Force (N)	Weight (g)
DMD-210S2	0.01	10	±20	Needle	ZS-523	2.0 or less	270
DMD-211S2	0.01	10	±20	Φ2 Flat	ZS-530	2.0 or less	270
DMD-213S2	0.01	10	±20	Φ3.2 Steel Ball	ZS-034	2.0 or less	270
DMD-250S2	0.01	5	±20	Needle	ZS-518	2.0 or less	205
DMD-252S2	0.01	Concave 5, Convex 4	±20	Needle	ZS-595	2.0 or less	200
DMD-2100S2	0.001	10	±5	Needle	ZS-523	2.0 or less	300
DMD-2110S2	0.001	10	±5	Φ2 Flat	ZS-530	2.0 or less	300
DMD-2130S2	0.001	10	±5	Φ3.2 Steel Ball	ZS-034	2.0 or less	300
DMD-2500S2	0.001	5	±5	Needle	ZS-518	2.0 or less	235
DMD-2520S2	0.001	Concave 5, Convex 4	±5	Needle	ZS-595	2.0 or less	230

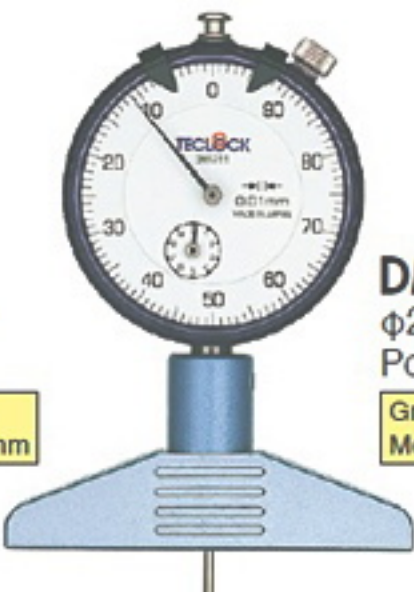
*The quantizing error function is not included.

- Dial Depth Gauge can be used to measure depth and steps of work piece and coating thickness.
- 5-240mm range (with the supplied extension rods) are available for wide application.
- Special order is applicable for contact point and base.
- Low measuring force type is also available, which seldom hurts work piece.
- Lifting lever (Option) can be mounted.

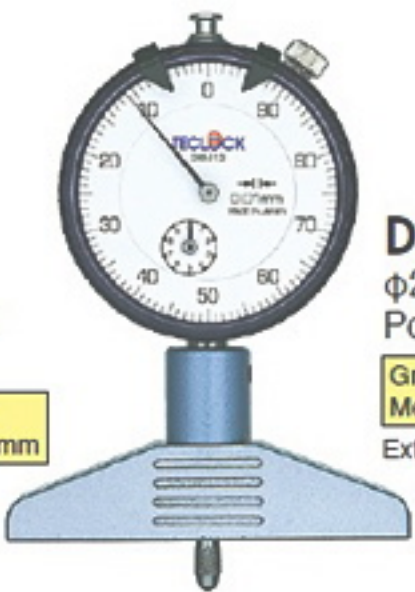
Measuring Range:10mm



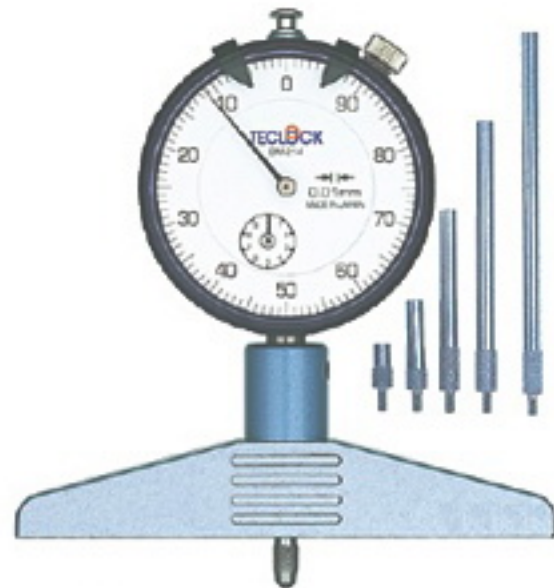
DM-210
Needle Contact Point
Graduation 0.01mm
Measuring Range 10mm



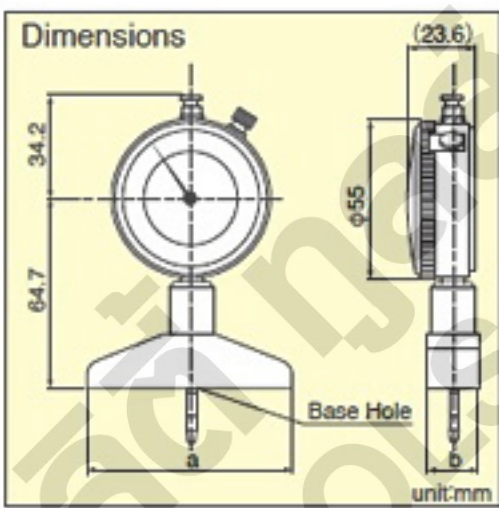
DM-211
φ2 Flat Contact Point
Graduation 0.01mm
Measuring Range 10mm



DM-213
φ2 Ball Contact Point
Graduation 0.01mm
Measuring Range 10mm
Extension rods options



DM-214
Possible depth measurement of up to 220mm
Graduation 0.01mm
Measuring Range 10mm
Indication Range 10mm
with 5-Extension rods



Dimensions Table		
Model	Base Form a×b	Base Hole Diameter
DM-210	75×16	2.5
DM-211	75×16	2.5
DM-213	75×16	5.2
DM-214	100×16	5.2

unit:mm

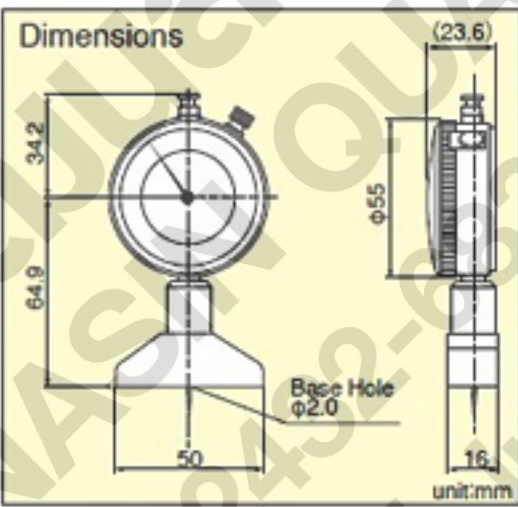
Specifications ※Measuring Range : () value is a range by using 5pcs extension rods.

Model	Graduation (mm)	Measuring Range (mm)	Accuracy (μm)	Contact Point Form (mm)	Standard Contact Point	Measuring Force (N)	Weight (g)
DM-210	0.01	10	±12	Needle	ZS-523	1.4以下	270
DM-211	0.01	10	±12	φ2 Flat	ZS-530	1.4以下	270
DM-213	0.01	10	±12	φ3.2 Ball	ZS-034	1.4以下	270
DM-214	0.01	10(220)	±12	φ3.2 Ball	ZS-034	2.5以下	335

Measuring Range:5mm



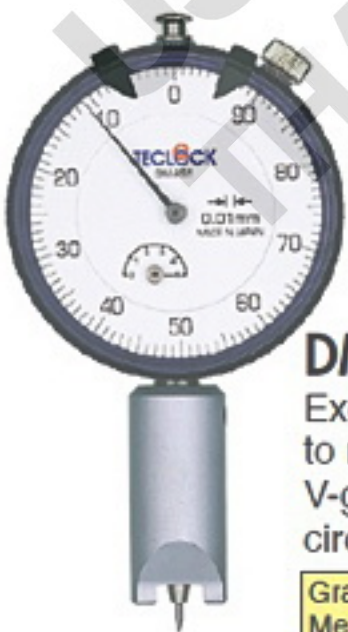
DM-250
Small type
Graduation 0.01mm
Measuring Range 5mm



Specifications

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

Printed circuit board for measurement



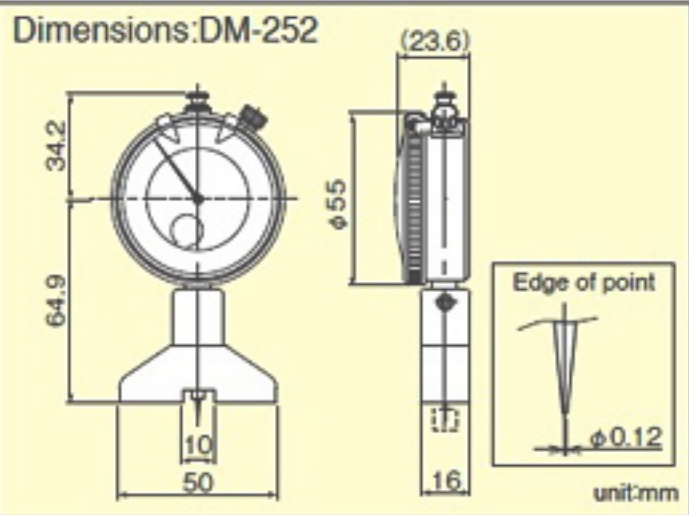
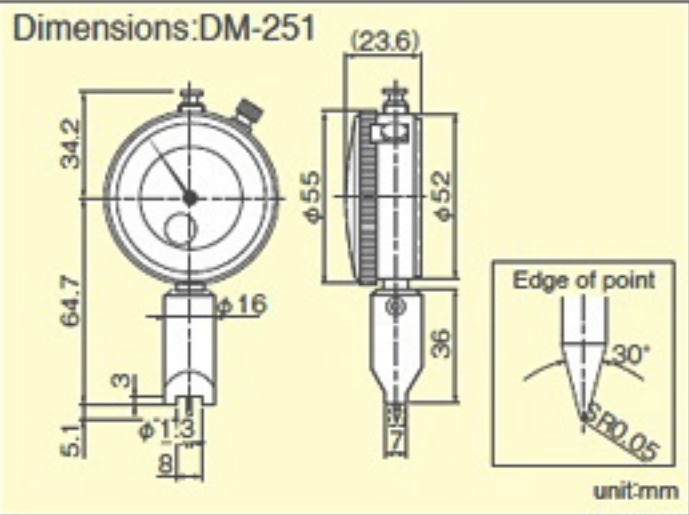
DM-251
Exclusive instrument to measure depth of V-groove of print circuit board.
Graduation 0.01mm
Measuring Range 5mm



DM-252
Convex-concave surface can be measured.
Graduation 0.01mm
Measuring Range Concave 5mm
Convex 4mm



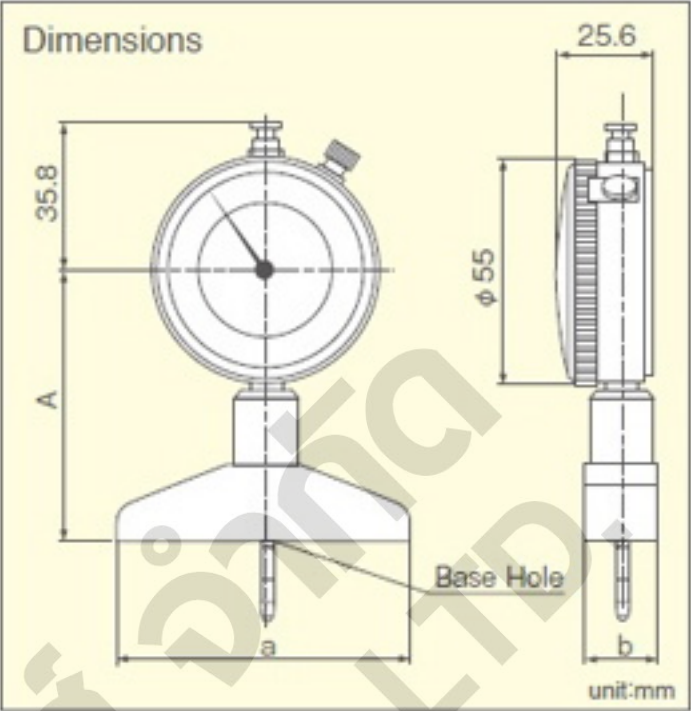
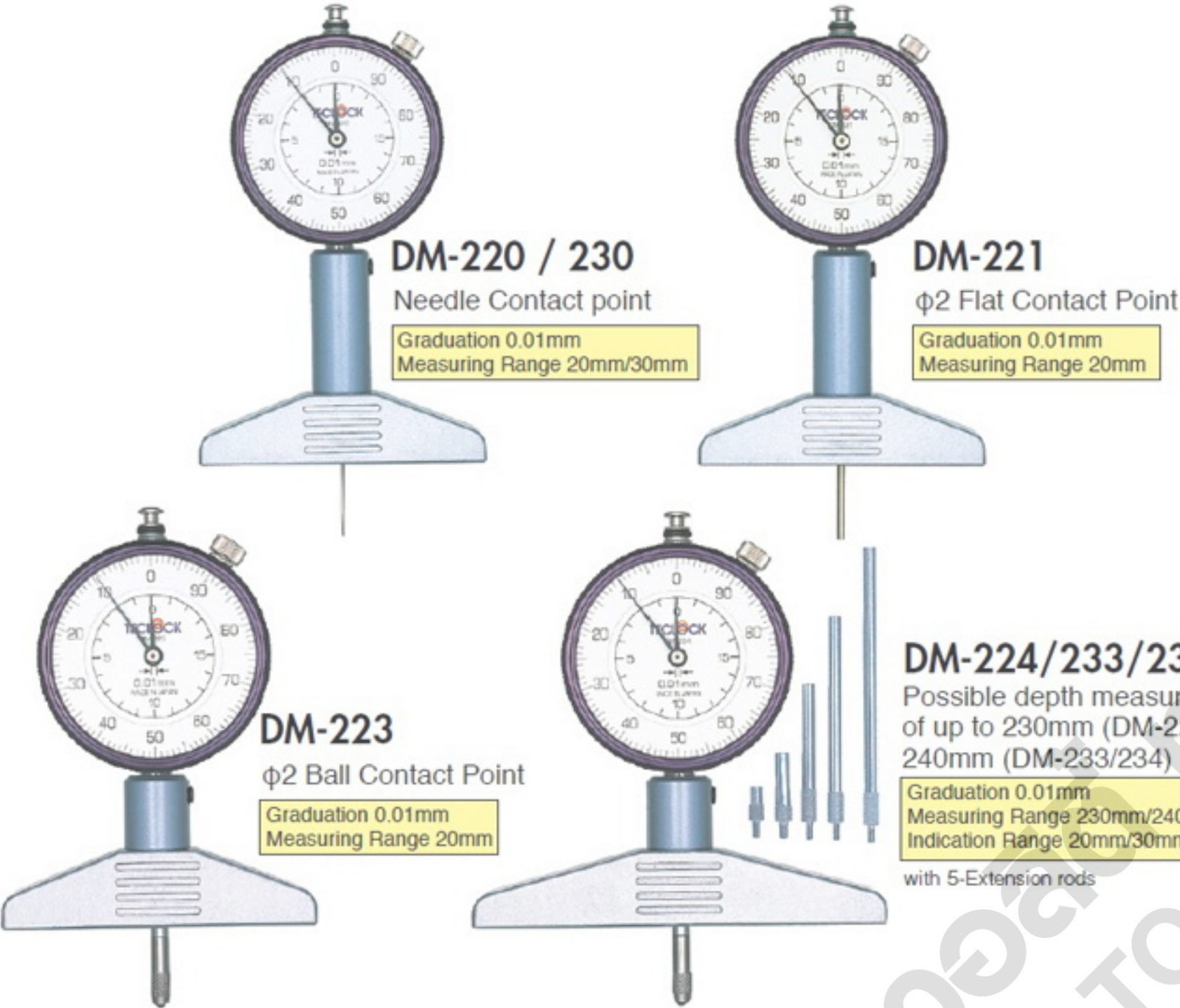
V-Grooved depth measurement of Print circuit board by using DM-251.



Specifications

Model	Graduation (mm)	Measuring Range (mm)	Accuracy (μm)	Contact Point Form (mm)	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 5mm Convex 4mm	±10	Needle	ZS-595	1.4 or less	230

Measuring Range:20mm / 30mm



Dimensions Table			
Model	A	Base Form a×b	Base Hole Diameter
DM-220	84.7	75×16	2.5
DM-221	84.7	75×16	2.5
DM-223	64.7	75×16	5.2
DM-224	64.7	100×16	5.2
DM-230	84.7	75×16	2.5
DM-233	64.7	75×16	5.2
DM-234	64.7	100×16	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 (mm)	Standard Contact Point	Measuring Force (N)	Weight (g)
DM-220	0.01	20	±15	Needle	ZS-543	2.2以下	300
DM-221	0.01	20	±15	φ2 Flat	ZS-541	2.2以下	300
DM-223	0.01	20	±15	φ3.2 Ball	ZS-034	2.2以下	275
DM-224	0.01	20(230)	±15	φ3.2 Ball	ZS-034	2.5以下	340
DM-230	0.01	30	±35	Needle	ZS-543	2.5以下	315
DM-233	0.01	30(240)	±35	φ3.2 Ball	ZS-034	2.5以下	315
DM-234	0.01	30(240)	±35	φ3.2 Ball	ZS-034	2.5以下	355



Depth Gauge with Extension Rods

When all of 5 extension rods of depth gauge with extension rods are connected, it can measure the dimension of deep concavity part of bottom. (Standard dimension set up with master gauge is necessary).

- A dimension : Measuring range 10mm Depth Gauge : up to maximum 220mm
Measuring range 20mm Depth Gauge : up to maximum 230mm
Measuring range 30mm Depth Gauge : up to maximum 240mm