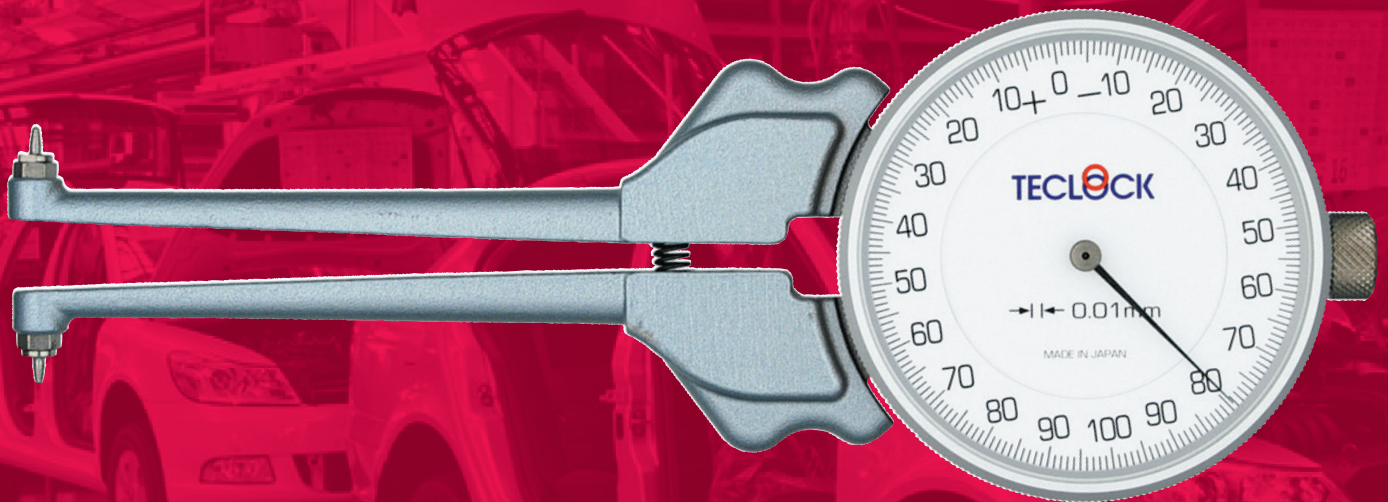


Caliper Gauge



As to internal caliper gauge IM-880 series, the distance between contact points facing outside is firstly set at standard dimension with ring gauge or micrometer. Then, it is measured by inserting contact point into internal dimension part to be measured after its outer dial of which moves together with rotated bezel is set at "0". The displacement of indicator from "0" point of outer dial is to be measured at that time. The value adding to the read displacement to standard dimension or deducting it from standard dimension is the dimension of internal diameter. This series attaches spare contact point which can set accurate dimension corresponding to size of internal dimension. External caliper gauge is opposite, namely reading the value by holding work piece with 2 contact points facing outside.

Precision Measuring Instruments Co.

Anand Deep CHS. Flat # 401, 4th Floor, Opp. Date Mangal Karyalay, Dombivli (E) - 421 201, Dist-Thane.
Mobile : 91-0-96645 01619 / 98701 88718 E-mail : chirag_pmico@hotmail.com Website : www.pmicoindia.co.in

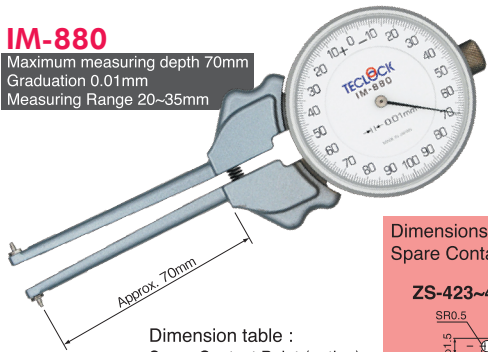
Dial Depth Gauge

- Internal caliper gauge to measure internal diameter of cylindrical workpiece and recessed groove diameter. It can measure groove diameter of "O" ring by modifying spare contact point.
- Set dimension within ± 1 mm (indication range 2mm) can be comparatively measured (880 series) by alternatively using auxiliary spare contact point in accordance with measured dimension.

- Please set standard dimension within measuring range with micrometer or ring gauge.

IM-880

Maximum measuring depth 70mm
Graduation 0.01mm
Measuring Range 20~35mm

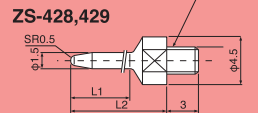
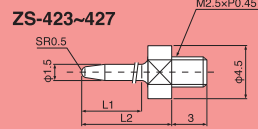


Dimension table :
Spare Contact Point (option)

Code No.	L1	L2	Measuring Range
ZS-423	2.5	4	20-23
ZS-424	3.5	5	22-25
ZS-425	4.5	6	24-27
ZS-426	5.5	7	26-29
ZS-427	5.5	8	28-31
ZS-428	5.5	9	30-33
ZS-429	5.5	10	32-35

unit : mm

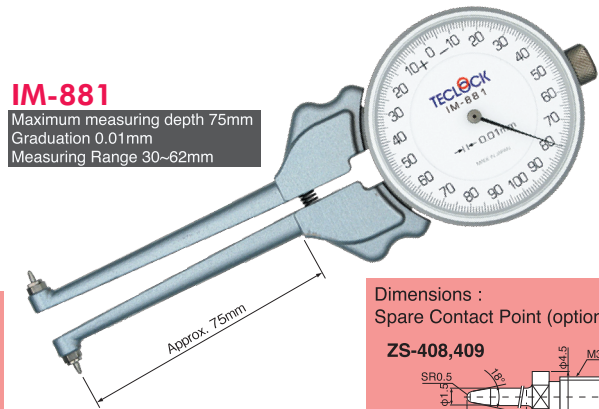
Dimensions :
Spare Contact Point (option)



unit : mm

IM-881

Maximum measuring depth 75mm
Graduation 0.01mm
Measuring Range 30~62mm

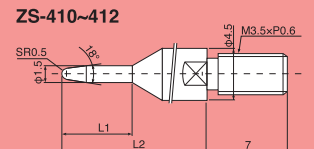
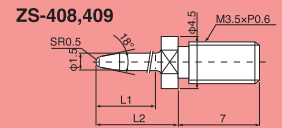


Dimension table :
Spare Contact Point (option)

Code No.	L1	L2	Measuring Range
ZS-408	3	4.5	30-38
ZS-409	5.5	7.5	36-44
ZS-410	6	10.5	42-50
ZS-411	6	13.5	48-56
ZS-412	6	16.5	54-62

unit : mm

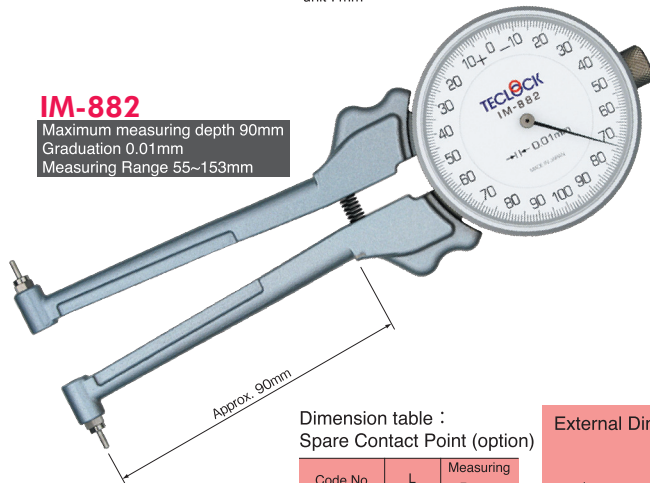
Dimensions :
Spare Contact Point (option)



unit : mm

IM-882

Maximum measuring depth 90mm
Graduation 0.01mm
Measuring Range 55~153mm

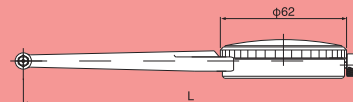


Dimension table :
Spare Contact Point (option)

Code No.	L	Measuring Range
ZS-413	7	55-73
ZS-414	15	71-89
ZS-415	23	87-105
ZS-416	31	103-121
ZS-417	39	119-137
ZS-418	47	135-153

unit : mm

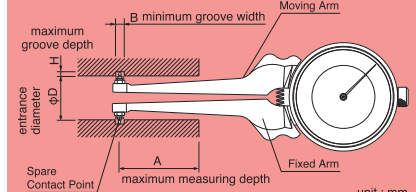
External Dimensions



Model	L
IM-880	165
IM-881	170
IM-882	183

unit : mm

Dimensions



unit : mm

Specifications

Model	Graduation (mm)	Measuring Range (mm)	Indicating range (mm)	Indication Error (μm)	Measuring Force (N)	Weight (g)	Spare Contact Point		maximum measuring depth A (mm)	entrance diameter φD (mm)*	groove depth H (mm)	minimum groove width B (mm)
							Code No.	Measuring Range (mm)				
IM-880	0.01	20-35	2	± 20	3 or less	196	ZS-423	20-23	70	15-18	2.5	2.5
							ZS-424	22-25				
							ZS-425	24-27				
							ZS-426	26-29				
							ZS-427	28-31				
							ZS-428	30-33				
							ZS-429	32-35				
							ZS-408	30-38				
ZS-409	36-44											
ZS-410	42-50											
ZS-411	48-56											
ZS-412	54-62											
ZS-413	55-73	90	45.4-53.4	4.3								
ZS-414	71-89											
ZS-415	87-105											
ZS-416	103-121											
ZS-417	119-137											
ZS-418	135-153											
ZS-413	55-73				90	45-63	5					
ZS-414	71-89											
ZS-415	87-105											
ZS-416	103-121											
ZS-417	119-137											
ZS-418	135-153											
ZS-413	55-73	90	54-72	8.5								
ZS-414	71-89											
ZS-415	87-105											
ZS-416	103-121											
ZS-417	119-137											
ZS-418	135-153											
ZS-413	55-73				90	70-88	8.5					
ZS-414	71-89											
ZS-415	87-105											
ZS-416	103-121											
ZS-417	119-137											
ZS-418	135-153											
ZS-413	55-73	90	86-104	8.5								
ZS-414	71-89											
ZS-415	87-105											
ZS-416	103-121											
ZS-417	119-137											
ZS-418	135-153											
ZS-413	55-73				90	102-120	8.5					
ZS-414	71-89											
ZS-415	87-105											
ZS-416	103-121											
ZS-417	119-137											
ZS-418	135-153											
ZS-413	55-73	90	118-136	8.5								
ZS-414	71-89											
ZS-415	87-105											
ZS-416	103-121											
ZS-417	119-137											
ZS-418	135-153											

*φD=Measuring Rang - 2H