

# Dial Indicator

## SERIES 1 — Compact Type

Mitutoyo's Series 1 dial indicators offer the accuracy and durability for shop applications demanding highly accurate measurements where space is limited. The spindle is made of hardened stainless steel for durability, while the rack gear is machine ground for a tighter fit and increased accuracy.



1911



1911



1003



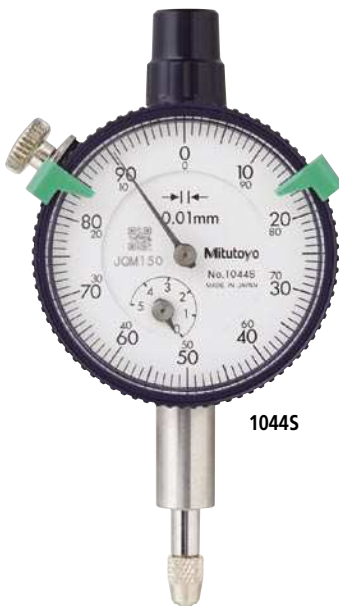
1040S



1913-10



1003



1044S



1109S-10



(Refer to the page 9 for details.)

### Optional Accessory

- : Backs (See page 266.)
- : Contact points (See page 264.)



Double scale spacing type



Jeweled bearing type



Waterproof type



Shockproof type



Dustproof type

## SPECIFICATIONS

### Metric

ISO/JIS type

Graduation	Order No.		Range (range/rev)	Accuracy	Dial reading	Measuring force						—
	w/ lug	Flat-back										
0.01mm	<b>1911</b>	<b>1911B</b>	2.5mm (1mm)	±12μm	0-50-0	1.8N or less	—	—	—	—	—	—
0.002mm	<b>1913-10</b>	<b>1913B-10</b>	0.5mm (0.2mm)	±8μm	0-100-0	1.5N or less	—	✓	—	—	—	—
0.01mm	<b>1003</b>	<b>1003B</b>	4mm (1mm)	±13μm	0-50-0	1.4N or less	—	—	—	—	—	—
0.01mm	<b>1044S</b>	<b>1044SB</b>	5mm (1mm)	±13μm	0-100	1.4N or less	—	—	—	—	—	—
0.01mm	<b>1045S</b>	<b>1045SB</b>	5mm (1mm)	±13μm	0-50-0	1.4N or less	—	—	—	—	—	—
0.01mm	<b>1044S-10</b>	<b>1044SB-10</b>	5mm (1mm)	±13μm	0-100	0.4N or less*	—	✓	—	—	—	—
0.01mm	<b>1044S-60</b>	<b>1044SB-60</b>	5mm (1mm)	±13μm	0-100	2.0N or less	—	—	✓	—	—	—
0.01mm	<b>1040S</b>	<b>1040SB</b>	3.5mm (0.5mm)	±13μm	0-50	1.4N or less	✓	—	—	—	—	—
0.01mm	<b>1041S</b>	<b>1041SB</b>	3.5mm (0.5mm)	±13μm	0-25-0	1.4N or less	✓	—	—	—	—	—
0.005mm	<b>1124S</b>	<b>1124SB</b>	3.5mm (0.5mm)	±13μm	0-50	1.4N or less	—	✓	—	—	—	—
0.001mm	<b>1109S-10</b>	<b>1109SB-10</b>	1mm (0.2mm)	±7μm	0-100-0	1.5N or less	—	✓	—	—	—	—
0.002mm	<b>1013S-10</b>	<b>1013SB-10</b>	1mm (0.2mm)	±10μm	0-100-0	1.5N or less	—	✓	—	—	—	—

\*Use in a vertical position only (contact point downward).

### Inch

ANSI/AGD type

Graduation	Order No.		Range (range/rev)	Accuracy	Dial reading	Measuring force						—
	w/ lug	Flat-back										
.001"	<b>1921</b>	<b>1921B</b>	.1" (.04")	±.001"	0-20-0	1.8N or less	—	—	—	—	—	—
.0005"	<b>1923</b>	<b>1923B</b>	.05" (.02")	±.0005"	0-10-0	1.8N or less	—	✓	—	—	—	—
.0001"	<b>1927-10</b>	<b>1927B-10</b>	.01" (.004")	±.0002"	0-2-0	1.8N or less	—	✓	—	—	—	—
.0001"	<b>1925-10</b>	<b>1925B-10</b>	.025" (.01")	±.0002"	0-5-0	1.8N or less	—	✓	—	—	—	—
.001"	<b>1410S</b>	<b>1410SB</b>	.25" (.1")	±.001"	0-100	1.4N or less	—	—	—	—	—	—
.001"	<b>1411S</b>	<b>1411SB</b>	.25" (.1")	±.001"	0-50-0	1.4N or less	—	—	—	—	—	—
.001"	<b>1410S-10</b>	<b>1410SB-10</b>	.25" (.1")	±.001"	0-100	1.4N or less	—	✓	—	—	—	—
.001"	<b>1780S</b>	<b>1780SB</b>	.125" (.05")	±.001"	0-50	1.4N or less	—	—	—	—	—	—
.001"	<b>1781S</b>	<b>1781SB</b>	.125" (.05")	±.001"	0-25-0	1.4N or less	—	—	—	—	—	—
.0005"	<b>1506S</b>	<b>1506SB</b>	.125" (.05")	±.0005"	0-50	1.4N or less	—	—	—	—	—	—
.0005"	<b>1507S</b>	<b>1507SB</b>	.125" (.05")	±.0005"	0-25-0	1.4N or less	—	—	—	—	—	—
.0005"	<b>1670S</b>	<b>1670SB</b>	.1" (.04")	±.0005"	0-40	1.4N or less	—	—	—	—	—	—
.0005"	<b>1671S</b>	<b>1671SB</b>	.1" (.04")	±.0005"	0-20-0	1.4N or less	—	—	—	—	—	—
.0005"	<b>1570S</b>	<b>1570SB</b>	.075" (.03")	±.0005"	0-30	1.4N or less	—	✓	—	—	—	—
.0005"	<b>1571S</b>	<b>1571SB</b>	.075" (.03")	±.0005"	0-15-0	1.4N or less	—	✓	—	—	—	—
.00025"	<b>1470S</b>	<b>1470SB</b>	.05" (.02")	±.00025"	0-20	1.4N or less	—	—	—	—	—	—
.00025"	<b>1471S</b>	<b>1471SB</b>	.05" (.02")	±.00025"	0-10-0	1.4N or less	—	—	—	—	—	—
.0001"	<b>1802S-10</b>	<b>1802SB-10</b>	.025" (.01")	±.0001"	0-10	1.4N or less	—	✓	—	—	—	—
.0001"	<b>1803S-10</b>	<b>1803SB-10</b>	.025" (.01")	±.0001"	0-5-0	1.4N or less	—	✓	—	—	—	—



1040S



1041S



1044S  
1044S-10  
1044S-60



1045S



1124S



1013S-10



1109S-10

## DIMENSION

