



Dial Test Indicator SERIES 513 — Universal Type

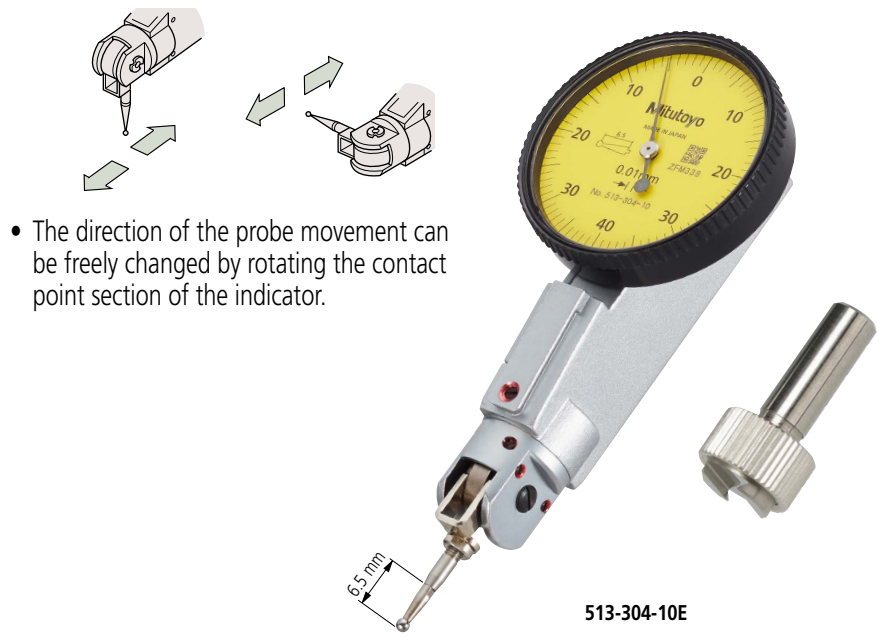
Set Configuration: Metric

Full set

- Swivel clamp (900321 for $\varnothing 4$ mm stem, $\varnothing 8$ mm stem, dovetail)
- $\varnothing 1$ mm contact point (carbide)
- $\varnothing 3$ mm contact point (carbide)
- Stem, $\varnothing 4$ mm
- Spare $\varnothing 2$ mm contact point (carbide)
- Metric holding bar (L: 100 mm)

Basic set

- $\varnothing 2$ mm contact point (carbide) (102825)
- $\varnothing 8$ mm stem
- Indicator
- Knurled clamp ring
- Spanner (102037)



- The direction of the probe movement can be freely changed by rotating the contact point section of the indicator.

Set Configuration: Inch

Full set

- (900322 for 0.157 inch DIA stem, 0.375 inch DIA stem, dovetail)
- 0.039 inch DIA. contact point (carbide)
- 0.118 inch DIA. contact point (carbide)
- Stem, 0.157 inch DIA.
- Spare 0.079 inch DIA. contact point (carbide)
- Inch holding bar (L: 4 in)

Basic set

- 0.079 inch DIA. contact point (carbide) (102825)
- 0.375 inch DIA. stem
- Indicator
- Knurled clamp ring
- Spanner (102037)

SPECIFICATIONS

Order No.		Graduation (mm)	Range (mm)	Dial reading	Maximum permissible error (MPE)* (μm)				Mass (g)	Measuring force (N)	High accuracy	With revolution counter	Long contact point	Standard	Double scale spacing	Compact	Dustproof	Carbide contact point	Ruby contact point
Basic set	Full set				Measuring range	One rev.	10 scale divisions	Hysteresis											
513-304-10E	513-304-10T	0.01	0.8	0-40-0	9	—	5	4	3	71	0.3 or less	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Order No.		Graduation (in)	Range (in)	Dial reading	Maximum permissible error (MPE)* (in)			Mass (g)	Measuring force (N)	High accuracy	With revolution counter	Long contact point	Standard	Double scale spacing	Compact	Dustproof	Carbide contact point	Ruby contact point
Basic set	Full set				One rev.	Hysteresis	Repeatability											
513-302-10E	513-302-10T	0.0005	0.03	0-15-0	± 0.0005	0.0003	± 0.0003	71	0.3 or less	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

* The accuracy is guaranteed when used with the dial face facing upward and the contact point oriented as shown in the figure. Note: 513-3XX-10 is indicated on the dial face. But the Order No. for the set provided with the stem etc. has a suffix (E or T) at the end.

DIMENSIONS

Unit: mm

513-304-10E

Note: A slight difference may occur depending on the center of the contact point, graduation plate, and stem fixing position, etc.

Optional Accessories

- Swivel clamps (See page F-75)
- Holding bars (See page F-75)
- Stems (See page F-75)
- 102824: $\varnothing 1$ mm contact point (carbide)
- 102825: $\varnothing 2$ mm contact point (carbide)
- 102826: $\varnothing 3$ mm contact point (carbide)