

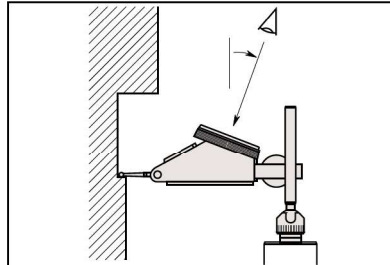


An inspection certificate is supplied as standard.
Refer to page U-11 for details.

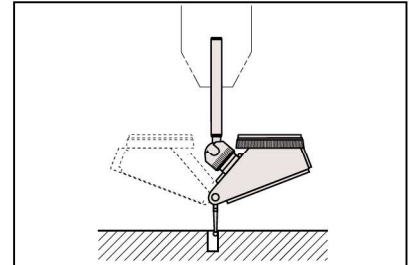
Dial Test Indicator

SERIES 513 — Horizontal (20° Tilted Face), Vertical, and Parallel Types

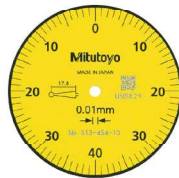
- Specially designed for easy viewing of dial.



- The dial face obliquely faces upward, allowing users to read the graduations from the user's side. It is convenient when probing on the side of a large workpiece and the workbench is high.



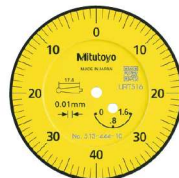
- Using the universal holder allows easy hole centering. The dial face always faces upward when the indicator is rotated, which makes reading easy.



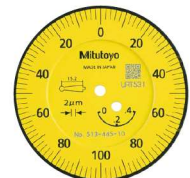
- ☒ Carbide contact point (Slightly magnetic)



- ☒ Carbide contact point (Slightly magnetic)



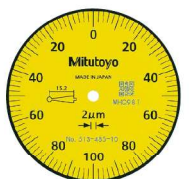
- ☒ With revolution counter
- ☒ Carbide contact point (Slightly magnetic)



- ☒ With revolution counter
- ☒ Carbide contact point (Slightly magnetic)



- ☒ Carbide contact point (Slightly magnetic)



- ☒ Carbide contact point (Slightly magnetic)

Note: 513-4XX-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.

Comparison measuring instruments which ensure high quality, high accuracy and reliability.



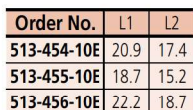
Carbide contact point
(Slightly magnetic)

Metric _____ Horizontal (20° tilted face) type

Inch			Parallel Type												
Order No.			Graduation (in)	Range (in)	Dial reading	Maximum permissible error (MPE)* (in)				Mass (g)	Measuring force (N)				Remarks
Basic set	Plus set	Full set				One rev.	First 2.5 rev.	Hysteresis	Repeatability						
—	513-482-10A	513-482-10T	0.0005	0.03	0-15-0	±0.0005	—	0.0002	±0.0002	53	0.3 or less			✓	

Note: **513-4XX-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.

unit: mm



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

Metric holding
bar (L: 100 mm)

ø1 mm
contact
point
(carbide)

ø3 mm
contact
point
(carbide)

Stem,
ø4 mm

ø2 mm
contact
point
(see table)

Indicator

Knurled

Stem. $\varnothing 8$ mm

Swivel clamp
(**900322**, for 0.157
inch DIA. stem, 0.375 inch
DIA. stem, and dovetail)

Inch
holding bar
(L: 4 in)

0.039 inch
DIA. contact
point
(carbide)

0.118
inch DIA.
contact
point
(carbide)

Stem,
0.157 inch
DIA.

Indicator

Knurled clamp ring

Stem, 0.375 inch DIA.

0.079 inch DIA. contact point (carbide)