

Dial Test Indicators

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

SERIES 513 — Dial Test Indicator Features

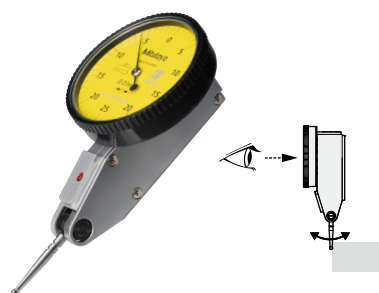
- Designed to probe surfaces that cannot be reached with a normal dial gauge. Useful both for alignment and for measurement purposes.
- Mitutoyo's proprietary new design permits smooth pointer operation.
- Strong frame provides excellent rigidity and durability.
- Non-magnetic pointer and contact point permit reliable operation even in magnetic environments.
- Clear and concise wide dial face allows excellent visibility.
- The surface of the crystal is hard-coated for excellent scratch resistance.
- Flat crystal makes graduations easy to read. Moreover, the O-ring sealing method used for the bezel prevents water or oil penetration. (Note that this type is NOT waterproof.)
- Six types are available: horizontal, horizontal (20° tilted face), vertical, parallel, universal, and pocket, allowing users to select the model most suited to their needs.
 - Horizontal: Standard
 - Horizontal (20° Tilted Face): Dial face inclined 20° compared with the vertical type, allows easy reading.
 - Vertical: Best suited for centering holes under the spindle of a machine tool.
 - Parallel: The scale can be read from the front, with the stylus pivoting in a plane parallel to that of the dial face.
 - Universal: The direction of the probe movement can be freely changed.
 - Pocket: Compact type.

Feature icons

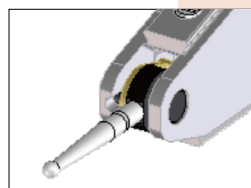
Icon	Feature description
	High accuracy
	With revolution counter
	Long stylus
	Standard
	Double scale spacing
	Compact
	Carbide contact point (Slightly magnetic)
	Ruby contact point (non-magnetic)



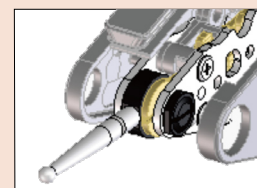
Horizontal



Vertical



Old design: Stylus bearing screw held in frame.



New design: Stylus bearing screw held in sub-plate provides smoother tracking action.

Horizontal (20° Tilted face)



Parallel



Universal



Naming of parts

