

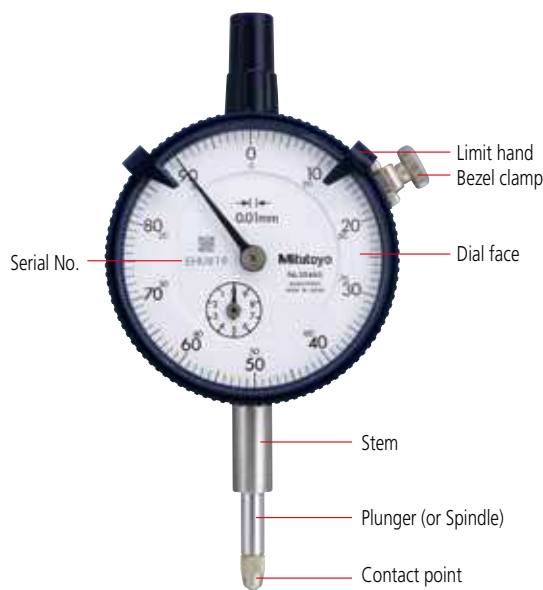
Dial Indicators

Mitutoyo's dial indicators have long been used by many of our customers. In full recognition of their needs, we have devoted ourselves to the research and development necessary to produce high-quality and high-accuracy dial indicators. Due to the recent re-acknowledgement of the importance of measurement technologies, the demands on dial indicators are many and varied: installation in measuring jigs, mounting in countless types of precision equipment, etc. We offer numerous models with various dial faces, measuring ranges, graduation styles and environmental resistance ratings. The stems, which ensure the fixture reliability, and the plungers, which are the basis of accuracy, have excellent resistance against hard use thanks to the hardened stainless steel construction. 0.01 mm resolution dial indicators have a grand gear made of stainless steel with high resistance to wear and deformation. 0.001 mm resolution dial indicators employ a sector gear made of a special alloy in order to further increase the resistance to wear.

F- and S-type dial indicators employ an O-ring to ensure air tightness between the outer frame and the crystal case in order to prevent water or oil penetration.

Important factors in choosing a dial indicator: the size (bezel diameter), resolution (graduation) and measuring range. Use the table on the right to help choose a suitable model for your application.

Parts of a dial indicator



Feature icons

Icon	Feature description
	Reverse reading type. Suitable for depth and step measurement.
	One revolution type for easy and error-free reading.
	Double scale spacing type, easy-on-the-eyes.
	Shockproof type.
	Waterproof type (IP63).
	Waterproof type (IP64).
	With damper at lowest rest point.
	Jewelled bearing type.
	Peak retaining type.
	Dustproof type.
	With coaxial revolution counter.
	Back plunger type.
	Adjustable hand type.

Note: Mitutoyo produces ASME-compatible products. Contact us for details.