

ST-010-1M

Single-axis non-magnetic turntable

This single-axis non-magnetic turntable comprises a non-magnetic work surface, a manual locking and clamping mechanism, and a base levelling device. It provides a 0–360° manually rotatable test platform, free from magnetic interference, for magnetic sensors and digital compasses.



Product Features

- Completely non-magnetic materials and components
- Table top diameter: 400 mm
- Load capacity: 10 kg
- Accuracy: $\pm 0.1^\circ$
- Table top locks in any position
- Three-point levelling at the base

Suitable scenarios

Suitable for the sensor and compass instrument industries, this equipment is used for testing and calibrating devices such as magnetic sensors and digital compasses in a demagnetised environment.

Technical Specifications

Parameter categories	Parameter items	Parameter values
Accuracy and Performance	Angular position accuracy	$\pm 0.1^\circ$
	Vernier resolution	0.05°
Range of Motion	Range of azimuth/elevation movement	0–360° (single-axis azimuth)
Mechanical Specifications	Load capacity	10 kg
	Table diameter/dimensions	$\Phi 400$ mm
Materials and Functions	Main body material	LY12, QBe1.7 or equivalent non-magnetic materials
	Locking mechanism	Locking in any position
	Clamping mechanism	Standard threaded holes provided for clamping
	Levelling method	Three-point levelling at the base
Environmental Protection	Operating temperature	0°C to +40°C