

# Magnetic Stand No. 7010S-10 / 7011S-10

Manual No.99MBH006B



## WARNING



## CAUTION

If you use a pacemaker, you must not use the Magnetic Stand. The magnetic force on the Magnetic Stand may cause malfunction of your pacemaker.

- Do not bring the Magnetic Stand near the floppy disk or other data storage media. Otherwise the data stored in these media may be deleted due to the magnetic force.
- The attractive force of a magnetic stand will be reduced depending on the conditions of a surface the magnetic base attracts, including material, thickness, surface roughness, and painting applied.
- The attractive force also reduces if the magnetic base attraction surface has scratches or rust on it.
- Dropping or bumping the magnetic stand will cause a breakage or defective in the instrument.
- When fixing the Magnetic Stand on the thick-coated surface, make sure that the instrument is securely fixed on the surface to avoid breakage or personal injury by dropping of the Magnetic Stand.
- To prevent deterioration in holding power of magnet, avoid using the fixture in the proximity of transformers or demagnetizer as they generate strong magnetic field, affecting the fixture's performance. Be sure to keep the magnet base lever OFF when not in use.
- Do not disassemble the arm and the magnet base, or its performance can be deteriorated.

## 1. Features

The Magnetic Stand is a measuring jig for setting dial indicators or dial test indicators and the like in any desired measuring positions.

The Magnetic Stand provides the following features:

- Employs the magnet base permitting the fixture to be mounted either horizontally, vertically, or even upside down. Also, a V-groove on the bottom of the base permits the fixture to be mounted even on something cylindrical.
- The fine adjustment mechanism will facilitate zero adjustment of the indicator attached (unique to model 7011S-10).

## 2. Name of each part (see Fig. 1)

- Magnetic base
- Lever
- Pole
- Support rod
- Support rod assy.
- Clamp knob
- Dial indicator mount hole
- Lug fixture
- Fine adjustment knob (unique to 7011S-10)
- Bushing

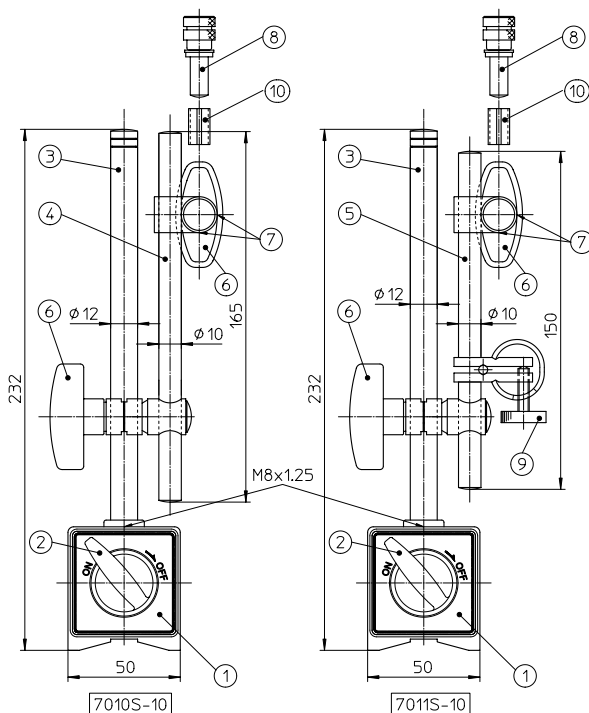


Fig. 1

## 3. Usage

For fixing a measuring tool in the dial indicator mount hole

- Remove the lug fixture fixed in the dial indicator mount hole, then insert the stem of a measuring tool in the mount hole and temporarily clamp it with the clamp knob.
- Locate the magnetic base in place so that the tip (contact point) of the measuring tool comes into contact with the measured point, then turn the lever ON to have the magnetic base fixed by attraction.
- With the clamp knobs slightly loosened, bring the tip (the contact point) of the measuring tool into contact with the measured point by adjusting the inclination of the support rod and the measuring tool, then tighten the two clamp knobs to secure the tool.
- Use the fine adjustment knob (unique to model 7011S-10) for fine adjustment of the measuring tool orientation and zero point.

For fixing a measuring tool by the lug.

- Remove the nut and the washer from the thread of the lug fixture, insert the lug of the measuring tool in the thread, then secure the lug with the washer and the nut (see Fig. 2).
- Follow the procedure in step 2) to 4) as applied to the measuring tool fixed in the dial indicator mount hole.

## IMPORTANT

- In case of fixing a measuring tool with a stem of less than 16 mm in length, it is recommended that the tool be fixed by the lug rather than using the dial indicator mount hole as this tool can be in an inclined orientation.
- To minimize the possible measuring errors, fix the measuring tool in an appropriate orientation, referring to the Users Manual of the measuring tool.

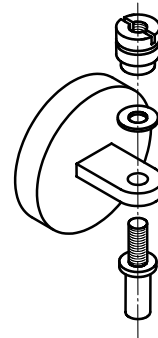


Fig. 2

## 4. Optional Accessories

Part No.	Part name	Applicable model
02AZC282	Support rod 300mm	7010S-10
02AZC390	Support rod assy.300mm	7011S-10

These parts are effective for measurement that requires an extended support rod.

## 5. Specifications

Code No.	Applicable stem dia.	Mass	Magnetic force
7010S-10	4, 8, 9.53 (3/8")	1.38kg	600N
7011S-10	4, 8, 9.53 (3/8")	1.42kg	600N