



PLASTIC TORSION

RS 035

Description:

In the field of solid mechanics, torsion is defined as the change in the shape of the cross section of an object due to an applied torque. Torsion test is one of the tests of mechanical properties which is carried out to examine plastic deformation in the shafts. This apparatus consists of an arm capable of generating torque, and it has a precise mechanism to compensate stiffness. The torque is calculated by a load cell and the torsion angle is calculated using an angle sensor. As a result, the rigidity modulus of the parts can be calculated.

Specifications:

- Load cell for calculating the force and the torque
- Bearing and force transmission paths
- Gearbox for generating torque
- Angle sensors (Encoder)
- Test specimen
- HMI touch panel and PLC software
- Specialized software for plotting torque-angle graphs
- Installation and training video included
- Instructions manual included
- 10-year warranty

Note: Direct contact with the sales department is required to confirm the last updated technical specifications and pictures.

Applications:

1. Calculating shear modulus and yield shear stress.
2. Obtaining T- θ curve.

Required For Operation:

- 220 v Single Phase Electricity
- Desirable Temperature (°C): 10-30
- Relative Humidity: 15% - 80%



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Dimensions (L*W*H) mm: 900 x 450 x 350

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