

Flat Wire Torsion Meter

Model TOR



Test procedure

A copper or aluminium flat wire should be inserted between one rotating mandrel and another that could be displaced axially with a specified tensioning weight. The rotating mandrel shall rotate at a speed between 2 and 6 RPM till it reaches the prescribed number of torsions. The sample wire shall then be examined for enamel flexibility and adhesion of the enamel.

System description model TOR

- Suitable for copper and aluminium flat wire having dimensions from 3.0 x 5.0 mm up to 20 x 6.0 mm
- Load cell with linear servo-actuator for sample tensioning up to 2.5KN, resolution 1N, which eliminates applying heavy load weights
- HMI controller to set and visualize the loading weight applied to the specimen, test speed, and number of torsions
- Rotating mandrel drive by worm gear-motor with digital inverter, speed from 2 up to 10 RPM
- Number of torsions CW/CCW independently pre-selected up to 99
- The sample length is adjustable between 400 and 500 mm

Specifications

Model	TOR
TOR	
Dimensions	
Dimensions (WxDxH)	610x1350x400 mm
Weight	45 kg / 99 lb
Power supply	
Volt	230 V
Hertz	50/60 single phase
Volt-amperes	650
Standards	
Options	