

JOULE EFFECT SELF BONDING TESTER mod. JOU

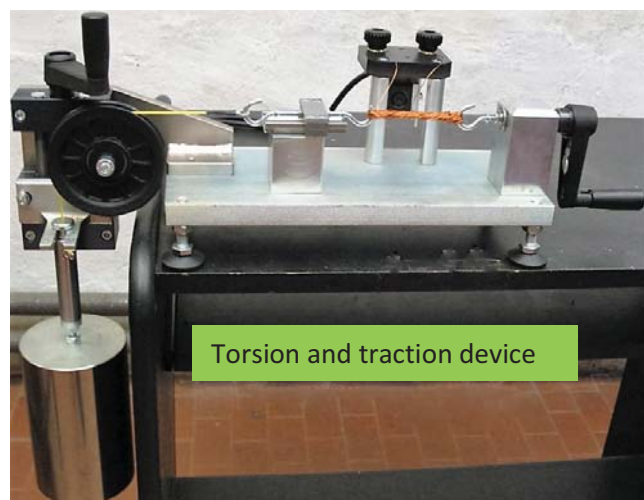
STANDARD: IEC 60851-3.7.2

TEST PROCEDURE: The sample is formed by a twisted winding having a number of turns given from the relevant specifications. The sample so realised is loaded with a weight of 100 N , at the ends of the coil a constant continuous current for a time between 30” to 60 “ is applied, this specimen will be tested in a tensile testing equipment in a horizontal position to obtain the maximum deflection force to break it. The test shall be repeated at elevated temperature.

- Motorised winding device with automatic calculation of number of turns as a function of the wire diameter.
- Sample twisting device supplied with weight of 100N and device to lift up/down the weight.
- High power constant current supply (Voltage adjustable from 0 up to 50 Vdc and current from 0 up to 24 A).
- Motorised load cell device to measure the sample deflection force, maximum force 500 N resolution 0.1 N.
- Infrared contactless thermometer for bonding temperature determination, resolution 1°C max. temp. 500°C.
- Industrial PC with LCD screen for the management of the test and self guide menu for every step of test, automatic calculation of minimum, maximum, average and standard deviation with printout of measured values.
- Air draught oven for high temperature test up to 220°C, complete of digital temperature controller with serial line for PC communication.

TECHNICAL SPECIFICATIONS

Power supply	Dimensions	Weight
230Vac 50/60Hz 1phase 3KVA	w 900 x d 480 x h 600 mm	69kg 151.8 lb



Data changes reserved