

MANDREL WINDING TESTER mod. MW, MW1

STANDARDS: IEC 60851-3.5, JIS C 3216-3, NEMA MW 1000

TEST PROCEDURE: A specimen of wire shall be wound for ten contiguous turns round a polished mandrel of the diameter given in the relevant specification sheet. The mandrel shall be rotated between 60 and 180 RPM, the tension of the wire being just sufficient to keep it in contact with the mandrel. Elongation or twisting of the wire shall be avoided. After winding, the specimen shall be examined for cracks under a magnification of:

- 10 to 15 times for nominal conductor diameters up to and including 0.04 mm.
- 6 to 10 times for nominal conductor diameters over 0.04 up to and including 0.5 mm.
- Normal vision or up to six times for nominal conductor diameters over 0.5 mm.

Three tests shall be made.

- Suitable for wire diameter from 0.04 up to 1.60 mm (46 – 14 AWG).
- Dc motor with gearbox rotation speed 110 rpm. (100 up to 2000 rpm with digital tachometer model MW1).
- Digital revolution counter up to 9999 with pre-selectable number of turns (mod. MW1).
- Supplied with a complete set of 36 mandrels: 0.25 – 0.30 – 0.35 – 0.40 - 0.45 – 0.50 – 0.60 – 0.70 – 0.80
0.90 – 1.00 – 1.10 - 1.20 – 1.30 – 1.40 – 1.50 – 1.60 – 1.70
1.80 – 1.90 - 2.00 – 2.20 – 2.40 – 2.80 – 3.00 – 3.20 – 3.50
4.00 - 4.50 – 5.00 – 5.50 – 6.00 – 6.50 – 7.00 – 7.50 – 8.0 mm

TECHNICAL SPECIFICATIONS

Model	Power supply	Dimensions	Weight
MW	100 - 230V 40/60Hz 1 phase 50VA	w 350 x h 280 x d 330 mm	18 kg 39.6 lb
MW1	230V 50/60 Hz 1 phase 70VA	w 350 x h 290 x d 360 mm	27 kg 59.4 lb



Mod. MW



Mod. MW1

OPTION

- WEI Loading and test weight for thermal/solvent self bonding test.
- MAN Mandrels

data changes reserved