

PEEL TESTER mod. PT
STANDARDS: IEC 60851-3.5.4

TEST PROCEDURE: A sample of round wire shall be inserted between two mandrels, one of these is able to rotate, the other one cannot rotate but can be displaced axially, the latter is loaded according to the table to apply tension to the rotating wire.

| Nominal conductor diameter mm | | Load N |
|----------------------------------|---------------------|-----------|
| Over | Up to and including | |
| 1,000 | 1,400 | 25 |
| 1,400 | 1,800 | 40 |
| 1,800 | 2,240 | 60 |
| 2,240 | 2,800 | 100 |
| 2,800 | 3,550 | 160 |
| 3,550 | 4,500 | 250 |
| 4,500 | 5,000 | 400 |

By means a scraper the enamel is removed on opposite sides of the wire down to the bare conductor. The rotating fixing device shall be driven at a speed from 60 to 100 rpm until the number of revolutions required has been reached. The specimen shall then be examined for enamel flexibility and for adhesion of the enamel.

- Suitable for diameter from 0.9 mm up to 5.00 mm (19 - 4 AWG).
- Load cell with linear servo-actuator for test load up to 500 N, that eliminate the needed of test weights and operator fatigue.
- Supplied with easy to use scraper.
- Human Machine Interface, to set and display test load, mandrel speed revolution, pre-selection of number of torsion of sample wire with automatic stopping.
- Brushless motor with planetary gear box, four quadrants driver, adjustable speed from 30 up to 220 rpm.
- Suitable for mandrel winding test.

TECHNICAL SPECIFICATIONS

| Power supply | Outline dimensions | Weight |
|------------------------------------|---------------------------|-------------|
| 230Vac 50/60 Hz single phase 400VA | w 1200 x d 400 x h 350 mm | 65kg 143 lb |

OPTION

- WD Complete set of 36 mandrels for winding test.



Data changes reserved