

Jerk Tester

Model JTM, JT



Model JTM



Model JT

Test procedure

A suddenly stretch a sample of wire of 250 mm (10 inches) length to its breaking point or an elongation given in the relevant specification sheet. You are then to examine the specimen for cracks or loss of adhesion 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 >0.04 up to and including 0.5 mm
- Normal vision or up to six times for nominal conductor diameters over 0.5 mm

The distance of 2 mm from the broken ends shall be disregarded, and you must conduct three tests.

System description

Suitable for wire diameter range from:

- Model JTM: 0.09 up to 1 mm (39-18 AWG), clamping length 200 mm (7.9 inch)
- Model JT: 0.09 mm up to 1.2 mm (39-14 AWG), clamping length 250 mm (10 inch)

Compressed air, maximum force:

- Model JTM: Manual mod.
- Model JT: 2000 N (Compressed air)

Model JT specific:

- Pre-selectable elongation value device
- graduate percentage scale

Specifications

Model	JT	JTM
JT, JTM		
Dimensions		
Dimensions (LxWxH)	750x250x350 mm	500x250x500 mm
Weight	29 kg / 63.8 lb	16 kg / 35.2 lb
Power supply		
Compressed air	6 BAR – 1.0 MPa	Manual
Standards		
IEC	60851-3.5.3	60851-3.5.3
NEMA	MW 1000	MW 1000
JIS	C 3216-3	C 3216-3
Options		
Microscope with adjustable magnification from 6 up to 40 times		
Digital output to measure jerk speed (model JT)		