

Unidirectional Scrape Tester

Model UST1



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Test procedure

A specimen of film-coated wire shall be wiped with a clean cloth or tissue, placed in the machine, and straightened by elongating it not more than 1%. The specimen shall then be secured in the clamping jaws, and the supporting anvil shall be adjusted to contact the underside of the specimen. An initial load of approximately 90% of the minimum "grams to fail" value specified in the data sheets shall be applied to the loading arm. The load shall be lowered gently onto the surface of the film coating, and the scraping action starts until the conductor is exposed and the machine stops.

Take note of the weight. The test procedure shall be repeated twice, indexing the clamps holding the wire to expose the wire surface 120° and 240° from the original position. The three "grams to fail" values shall then be averaged.

System description

- Suitable for wire diameter from 0.2 to 2.5 mm (32 – 9 ½ AWG)
- Device for specimen rotation by 120° and 240°
- Stretching device 1%
- Adjustable piano wire device
- Complete set of weights: 2 x 50 – 100 – 2 x 200 – 500 – 1000g
- Test voltage and current according to the standard
- Digital multiplication factor (mod. UST1)
- Automatic loading/unloading of test weight

Specifications

Model	UST1
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Dimensions	
Dimensions (LxWxH)	500x390x450 mm
Weight	20 kg / 44.6 lb
Power supply	
Volt	100-230 V
Hertz	50/60 single phase
Volt-amperes	75
Standards	
IEC	60851-3.6
NEMA	MW 1000 3.59