

PRECISION QUALITY CONTROL INSTRUMENTS SINCE 1958



Wire Terminal Pull Tester

Model WTT-110B

Measuring Range

- 0–50 kg
- 0–110 lbs
- 0–500 N

Features

- Display force values in peak or real-time measuring mode
- Test for UL 486 & Mil Spec and other standards
- Fabricated from steel and stainless steel, machined to the highest tolerances
- Includes Traceable Calibration Certificate

The WTT-110B Wire Terminal Pull Tester accurately measures pull-off force on most soldered or solderless wire terminals, crimped connectors and similar wire terminations.

The WTT-110B is an easy to use all-in-one, single-range solution for a wide range terminal testing applications, eliminating the need to purchase any additional grips, fixtures or accessories.

Suitable for wires AWG 30 to AWG 8 (diameters from 0.010" to 0.130").

Easy-glide lever system simultaneously clamps wire and creates a consistent and repeatable pull force requiring minimal operator effort



Rotating terminal fixture has 12 slots of different widths to accommodate various test materials. Slot widths range from 0.020" (0.5mm) up to 0.235" (6.0mm).



WTT-110B Specifications

Measuring Range	0-50 Kg / 0-110 lbs / 0-500 N (units selected via keypad)
Resolution	0.01 Kg / 0.1 lbs / 0.1 N
Terminal Adapter Slot width (mm)	0.5, 0.8, 1.0, 1.4, 1.5, 2.0, 2.5, 3.0, 3.5, 4.0, 5.0, 6.0
Accuracy	±0.5% F.S. or better
Operating Mode	<i>Continuous:</i> Displays actual value in Kg, lbs or N <i>Peak-Hold:</i> Displays peak value in Kg, lbs or N
Wire Diameter	SAE AS7928 II: AWG 8...30 IEC 60352-2: Cross section 0.05...10mm ² Maximum: 0.236"(6mm)

Overload	200% Full Scale (LCD indicator at 120%)
Display	LCD, 4-½ digit, 12mm high
Memory	Peak Value
Power Supply	Internal Solar Cell, external power is not required
Temp. Range	Operating: 32 to 104° F (0 to 40° C) Storage: -4 to 140° F (-20 to 60° C)
Weight	30.8 lbs (14 Kg) (Shipping weight 37 lbs)
Dimensions	14.2" x 6.3" x 2.6" (360 x 160 x 65mm)
Material	Anodized aluminum, steel and stainless steel
Warranty	1 Year

Calibration Verification Procedure

Calibration for all WTT-110B models can easily be verified with a hook weight as described below:

1. Remove the lever by unscrewing it in a counter-clockwise direction and move the Wire Clamp assembly out from the path of the hanging sample.
2. Position the WTT-110B in a vertical position at the edge of a strong bench or desk. Be sure to secure it with strong clamps so it can not topple over when the weight is attached.
3. Using a heavy-duty monofilament (fishing line), wire or similar, suspend a known weight from one of the teeth on the wire terminal fixture by hooking a loop of the material over the selected tooth.



Operating Procedure

1. Press **U** key to turn on your WTT-110B Wire Terminal Tester.
2. Press **U** key to select desired measuring units LB / N / KG.
3. Press **P** key to select peak or real-time measuring mode.
4. Insert wire sample into the appropriate size wire terminal slot.
5. Open lever-clamp assembly and insert the tail end of wire.
6. Press **U** key to zero display and enter "live" measuring mode.
7. Pull lever to apply force to wire and perform wire terminal pull out force measurement.
8. The "live" measurement mode will time out 5 seconds after pressure is released.
9. Repeat from step 4 for continued testing.

Complete Kit

The WTT-110B is supplied as a complete kit that includes wire pull tester, operating instructions & traceable certificate.



Related Product

WTTM-220B Motorized Wire Terminal Pull Tester

Set the adjustable pull speed, load the wire and close the protective cover. The test runs automatically with the peak "pull-off" force stored on the display at completion.



For additional information or to place an order CALL TOLL FREE 1-800-645-4330

Electromatic Equipment Co., Inc.
600 Oakland Ave.
Cedarhurst, N Y 11516 —USA

Tel: (800) 645-4330 (USA & Canada)
Tel: (516) 295-4300
Fax: (516) 295-4399

Email: info@checkline.com
Website: www.checkline.com

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