

# Wire Terminal PULL TESTER

## Model WTT-110

### Measuring Range

0–50 Kg / 0–110 lbs / 0–500 N  
(units selected via keypad)

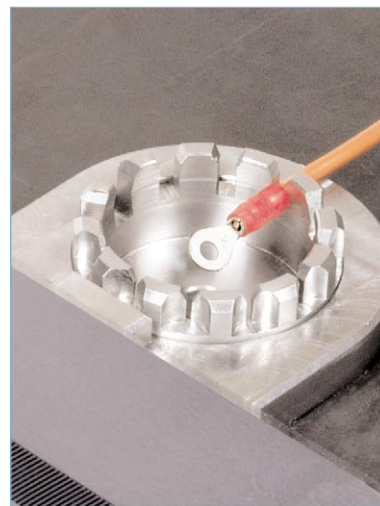
Accurately measures pull or “pull-off” force on most soldered or solder-less wire terminals, crimped connectors and similar wire terminations.

The WTT-110 is an easy to use *all-in-one, single-range* solution suitable for a vast majority of 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").

## FEATURES

- Precision strain gauge sensing provides a resolution of 1/5000 with an accuracy of 0.5%
- Displays force values in “peak-hold” or “continuous” measurement mode
- Operates using AC power or built-in rechargeable battery via supplied adapter/ charger
- Fabricated using steel and stainless steel, machined to the highest tolerances
- Model WTT-110RS includes RS-232 and analog outputs for external data recording



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

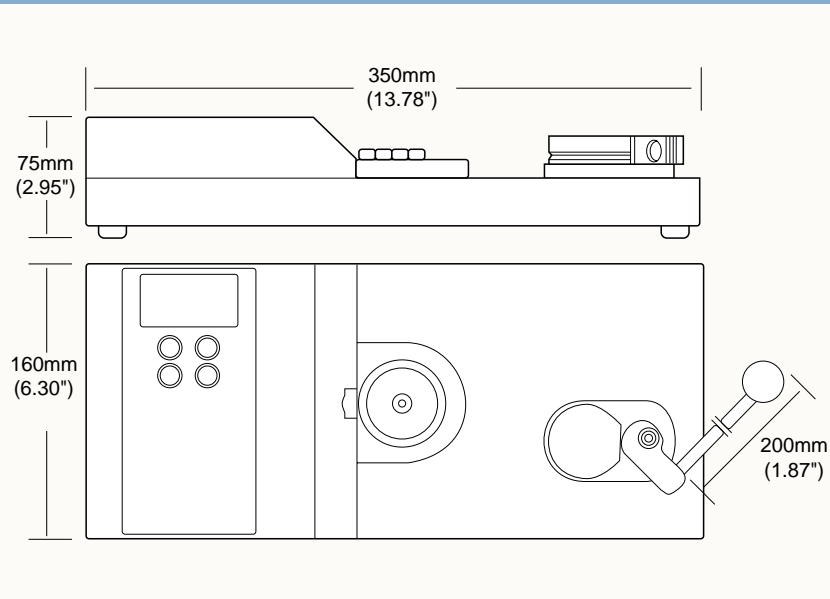


Easy-glide lever system simultaneously clamps wire and creates a consistent and repeatable pull force requiring minimal operator effort

# WTT-110 & WT-110RS

# Data & Specifications

## Dimension Drawing



## Operating Procedure

### To operate, simply follow these steps:

1. Select the appropriately sized slot in the Wire Terminal Fixture and rotate to the front position
2. Insert the terminal and wire so that it is secured on the back-side of the slot
3. Route the wire so that it passes between the lever and the lever clamp
4. Select Peak-Hold or Continuous Measure mode using the **PEAK** key
5. Press the **ZERO** key to perform tare function
6. Rotate the lever clockwise, which clamps the wire and begins creating a pull force on the terminal
7. Read current force and breaking force on the digital display

## Specifications—Models WTT-110 and WTT-110RS

|   |   |                             |  |
|---|---|-----------------------------|--|
| <b>Measuring Range*</b>                 | 0–50 Kg / 0–110 lbs / 0–500N<br>(units selected via keypad)   | <b>Memory</b>               | Peak Value   |
| <b>Resolution</b>                       | 0.01Kg / 0.1 lbs / 0.1 N  | <b>Power Supply</b>         | Internal NiCd battery, supplied with AC adapter/charger (100-240V/50-60 Hz)  |
| <b>Terminal adapter slot width (mm)</b> | 0.5, 0.8, 1.0, 1.4, 1.5, 2.0, 2.5, 3.0, 3.5, 4.0, 5.0, 6.0  | <b>Temp. Range</b>          | Operating: 32 to 104 °F (0 to 40 °C)<br>Storage: –4 to 140 °F (–20 to 60 °C) |
| <b>Accuracy</b>                         | ±0.5% F.S. or better  | <b>Weight, approx.</b>      | 30.8 lbs. (14 Kg)  |
| <b>Operating Mode</b>                   | Continuous: Displays actual value in Kg, lbs. or N<br>Peak-Hold: Displays peak value in Kg, lbs. or N           | <b>Dimensions</b>           | 14.2" x 6.3" x 2.95" (360 x 160 x 75mm)                                      |
| <b>Wire Diameter</b>                    | SAE AS7928 II: AWG 8 . . .30<br>IEC 60352-2: Cross section 0.05 . . .10mm <sup>2</sup><br>Maximum: 0.236" (6mm) | <b>Material</b>             | Anodized aluminum, steel and stainless steel                                 |
| <b>Overload</b>                         | 200% Full Scale (LCD indicator at 120%)   | <b>Model WTT-110RS Only</b> |  |
| <b>Display</b>                          | LCD, 4–1/2 digit, 12mm high   | <b>Interface</b>            | Serial: 2400 KB / 8 / N / 1 / None (selectable baud rate)<br>Analog: 0-1VDC  |

\* Low-range model available on special order basis.

## CHECK•LINE® – PRECISION QUALITY CONTROL INSTRUMENTS

**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

FOR ADDITIONAL INFORMATION OR TO PLACE AN ORDER CALL TOLL FREE 1-800-645-4330