

Wire Terminal PULL TESTER

Model WTT-110

Measuring Range

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

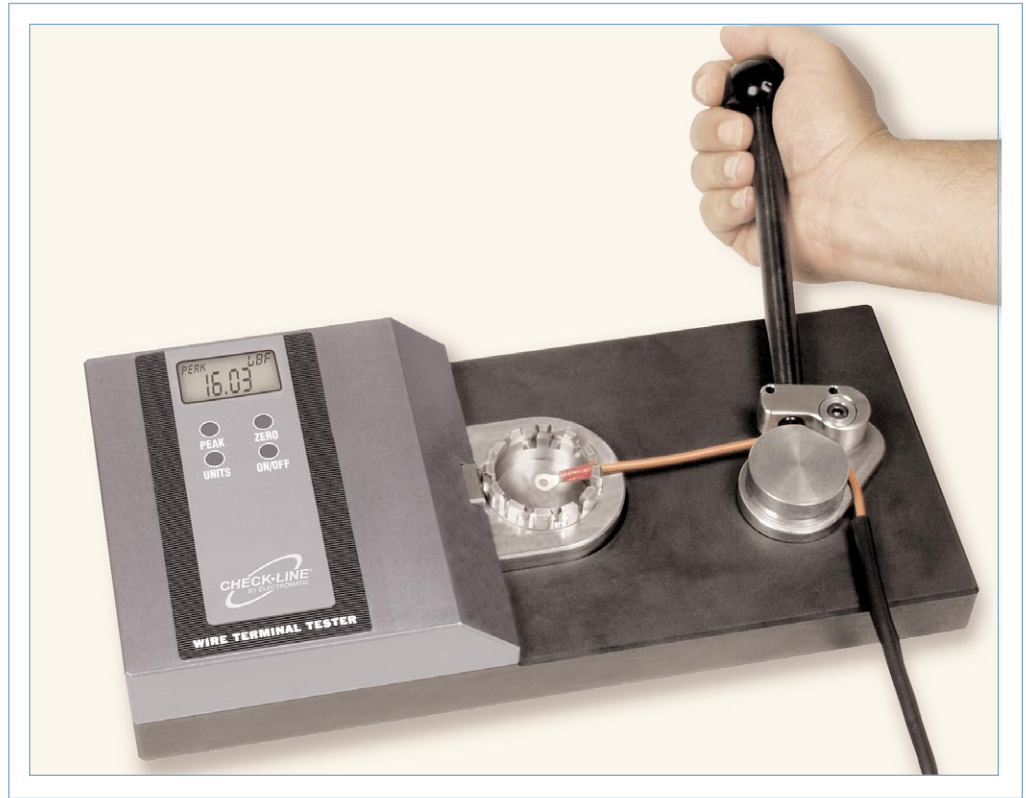
Accurately measures pull or “pull-off” force on most soldered or solder-less wire terminals, crimped connectors and similar wire terminations.

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)

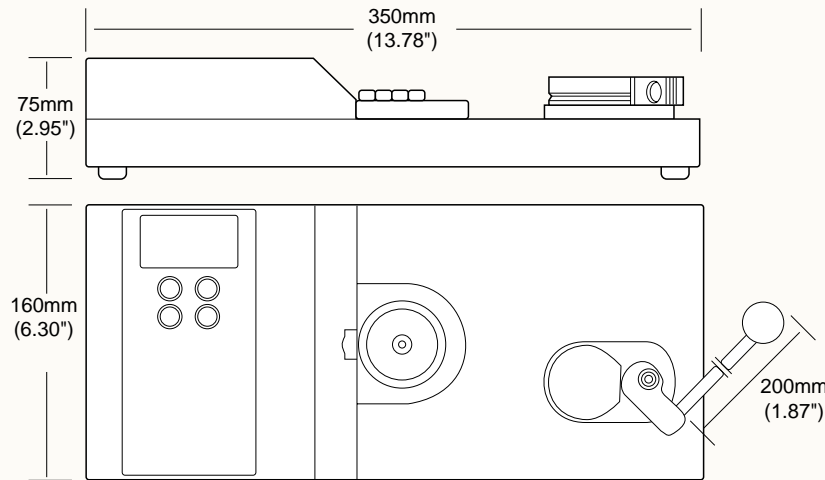


Easy-glide lever system simultaneously clamps wire and creates a consistent and repeatable pull force requiring minimal operator effort

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

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

* Low-range model available on special order basis.

CHECK•LINE® – PRECISION QUALITY CONTROL INSTRUMENTS

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