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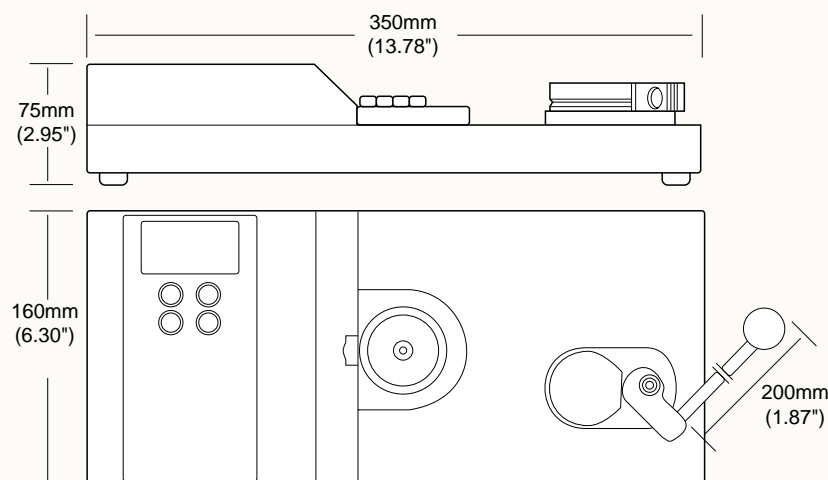
Easy-glide lever system simultaneously clamps wire and creates a consistent and repeatable pull force requiring minimal operator effort

Dimension Drawing

350mm (13.78")

75mm (2.95")

160mm (6.30")

200mm (1.87")

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)
Resolution	0.01Kg / 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	
Continuous	Displays actual value in Kg, lbs. or N
Peak-Hold	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, 4–1/2 digit, 12mm high

Memory	Peak Value
Power Supply	Internal NiCd battery, supplied with AC adapter/charger (100-240V/50-60 Hz)
Temp. Range	
Operating	32 to104 °F *(0 to 40 °C)*
Storage	−4 to 140 °F *(−20 to 60 °C)*
Weight, approx.	30.8 lbs. *(14 Kg)*
Dimensions	14.2" x 6.3" x 2.95" *(360 x 160 x 75mm)*
Material	Anodized aluminum, steel and stainless steel

Model WTT-110RS Only

Interface	
Serial	2400 KB / 8 / N / 1 / None *(selectable baud rate)*
Analog	0-1V DC

* Low-range model available on special order basis.

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