WIRE TERMINAL PULL TESTER

Model WTTM

Accurate, Repeatable & Automatic

Automatic Simplicity. . .
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.

CHECK•LINE’S® WTTM Wire Terminal Pull Tester measures pull-off force on most soldered or solderless wire terminals, crimped connectors and similar wire terminations.

The WTT-110M 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.

The WTTM includes instrument with terminal adapter and clamp pull device, AC adapter/charger, RS-232 interface, serial port connection, WTT-COMM software, operating manual.

- 7 selectable pull speeds from 1 inch per min (25mm per min) to 10 inches per min (250mm per min).
- 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
- Supplied with FREE data transfer software and serial cable
- Includes NIST Calibration Certificate

Conforms to all international test standards: MIL, UL, SAE, DIN, IEC, BS and EN.

Two Models Available

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<th>Measuring Range</th>
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<td>110 lb / 50 Kg / 500N</td>
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<td>220 lb / 100 Kg / 1000N</td>
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WTM Wire Terminal Pull Tester

Specifications

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| Measuring Range          | WTTM-110: 0–110 lbs / 0-50 Kg / 0–500 N  
                          | WTTM-220: 0–220 lbs / 0-100 Kg / 0–1000 N  
                          | (units selectable via keypad) |
| Resolution               | WTTM-110: 0.1 lbs / 0.01Kg / 0.1 N  
                          | WTTM-220: 0.1 lbs / 0.1Kg / 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           | Real Time: Displays actual value in Kg, lbs or N  
                          | Peak Mode: Displays peak value in Kg, lbs or N |
| Update Rate              | Real Time: 333 msec  
                          | Peak Mode: 1 msec |
| Wire Diameter            | SAE AS7928 II: AWG 8 . . .30  
                          | IEC 60352-2: Cross section 0.05 . . .10mm²  
                          | 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             | Universal AC adapter/charger (100-240V/50-60 Hz), Internal NiCd battery |
| Interface                | RS-232 — 19,200 KB /8 / N / 1 / None |
| Temp. Range              | Operating: 32 to 104 °F (0 to 40 °C)  
                          | Storage: −4 to 140 °F (−20 to 60 °C) |
| Weight, approx.          | 42 lbs. (19Kg) |
| Dimensions               | 13.8” x 6.3” x 4.3” (360 x 160 x 110mm) |
| Material                 | Anodized aluminum, steel and stainless steel V2A |

Operating Procedure

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 through the clamping device.
4. Select Peak-Hold or Continuous Measure mode using the key.
5. Press the key to perform tare function.
6. Close the protective cover and the motor will start the test.
7. Read current force and breaking force on the digital display.

Dimension Drawing

Operating Procedure

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check-line® – precision quality control instruments

Electromatic Equipment Co., Inc.  
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

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