

# SHIMPO INSTRUMENTS

Measuring Quality

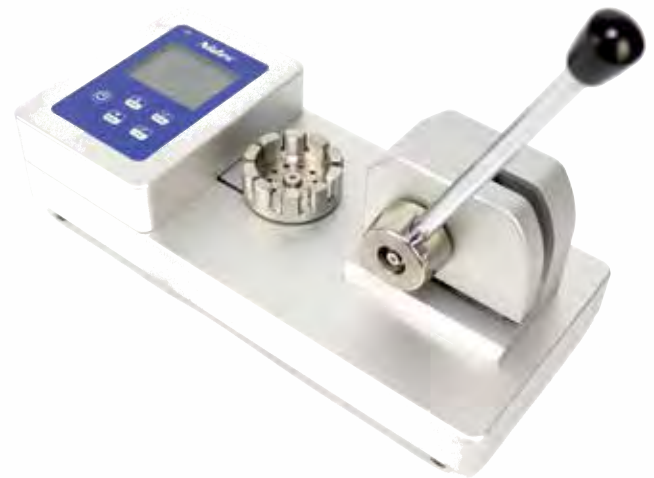
## WTPT-1000 Wire Terminal Pull Tester

**The WTPT-1000 Electrical Terminal Wire Tester** is a compact, robust, highly accurate test instrument for testing wire terminal test strength. With its all-metal construction and easy clamp cam-loading mechanism, the WTPT enables quick, repetitive, long-term usage on production assembly lines. The +/- 0.2% F.S. accuracy combined with 0.01 lb/kg precise resolution produces superb performance for quality control and lab testing. Terminal wheel enables quick selection between 10 different diameter size wires from 0.03 to 0.25" (0.8-6.35 mm).

The WTPT provides long operation life and power flexibility with the ability to work from the internal rechargeable battery or included AC adapter. The analog bar graph on the backlit, LCD aids users by providing the resultant force's current position compared to the full-scale range.

The WTPT has four operations modes: Track, Peak, First Peak, Auto-Peak: Track for live readings, Peak which records the highest level over a test, First Peak which records a reading after a programmed decrease, Auto Peak which resets after a programmed period of time. Additional tolerance function, available in all modes, with programmable thresholds and pass/fail icons produces live test feedback allowing instant determination of the results.

Every tester comes standard with USB and RS-232 outputs. The WTPT's software enables the uploading of data and the additional statistical analysis with its auto-calculation of the selected values. These excellent features make the WTPT-1000 Electrical Terminal Wire Testers a versatile addition to the production, R & D and quality control departments.



### Features

- Easy clamp, cam-loading mechanism with lever movement enables quick loading and unloading of the wire sample
- Rotating terminal wheel enables quick selection between 10 different diameter size wires from 0.03 to 0.25" (0.8-6.35 mm)
- Test flexibility with four operations modes: Track, Peak, First Peak, Auto-Peak
- NPN, USB and RS-232 outputs for enhanced communication operations
- 1000 data point memory storage that can be downloaded to the free software program
- +/-0.2% F.S. accuracy combined with 0.01 lb/kg precise resolution enables superior performance testing
- Large, backlit LCD includes an analog bar graph as well as various icon indicators such as mode, units, time and if reading is within tolerance if that setting is active



## Specifications

<b>Measuring Capacity</b>	224.8 lbf (100 kgf)
<b>Accuracy</b>	± 0.2% of FS
<b>Wire Size Dia. Range</b>	0.03 - 0.25 in; 0.8, 1.0, 1.5, 2.0, 2.5, 3.0, 3.5, 4.0, 5.0, 6.35 mm; AWG 30 - AWG 3
<b>Minimum Sample Length</b>	5.5" (140 mm)
<b>Maximum Elongation</b>	1.7" (44 mm)
<b>Units of Measure</b>	N, kgf, lbf, ozf
<b>Measure Modes</b>	Track, Peak, First Peak, Auto Peak
<b>Overload Protection</b>	120% of Full Scale
<b>Sampling Rate</b>	2 kHz (Track mode); 8 kHz (Peak Mode); 8 kHz (First Peak); 8 kHz (Auto Peak)
<b>Display</b>	160* 128 Dot matrix backlit LCD
<b>Display Update Rate</b>	100ms
<b>Resolution</b>	0.01 lbf, 0.1 N, 1 ozf, 0.01 kgf
<b>Memory</b>	1000 data points
<b>Output</b>	USB, serial port RS-232, High and low limit NPN
<b>Battery Indication</b>	Battery icon flashes when low
<b>Battery Life</b>	Approx. 25 Hours continuous on full charge
<b>Charger/Adapter</b>	Universal USB charger, input 110 - 240 V ac 50/60 Hz
<b>Power</b>	3.6 VDC 1600 mA Ni-MH battery pack
<b>Operating Temperature</b>	14 to 104°F (-10 to 40°C)
<b>Humidity Limit</b>	20 - 80% RH
<b>Dimensions</b>	12.9 x 5.4 x 9.8" (327 x 136 x 249 mm)
<b>Product Weight</b>	10.4 lb (4.7 kg)
<b>Package Weight</b>	12.8 lb (5.8 kg)
<b>Warranty</b>	1 year
<b>Certification</b>	CE, RoHS
<b>Included Accessories</b>	USB cable, charger adapter, cal. cert
<b>Optional Accessorie</b>	RS-232 cable, printer cable

## Ordering Details

<b>WTPT-1000</b>	Wire Terminal Pull Tester for wire diameter range of 0.03 - 0.25 in ( 0.8 - 6.35 mm)
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## Accessories

<b>FG-7RS232CBL</b>	RS-232 Communication Cable
<b>FG-7CHRG</b>	Replacement Charger
<b>FG-7USB</b>	Replacement USB Cable



Cam-Loading Mechanism