

XIAMEN JINGWEI TECHNOLOGY CO., LTD.

JW Terminal Tensile Tester Catalog

Terminal Pull Force Testers & Force Gauge
Stands for Crimp Quality Control

5 Products

Range: 490N - 5000N | Manual & Electric



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Product Overview

Manual & electric terminal tensile testers from 490N to 5000N for wire harness crimp quality inspection



WPM-500N

Manual Spring Force Tester 500N Capacity

Model: WPM-500N
Force Range: 0-500N (1000N customizable)



TF-52

Electric Terminal Tensile Tester with 0-50KG Sensor & LCD Display

Model: TF-52
Tension Sensor Range: 0-50KG



WPM-5000A

Electric Double Column Force Gauge Test Stand 5000N

Model: WPM-5000A
Max Load: 5000N (up to 30000N optional)



WPM-ADL-0.5KN

500N Terminal Pull Force Tester for Cable Crimp Connections

Model: WPM-ADL-0.5KN
Force Range: 500N (1000N optional)



WPM-490N

Manual Tensile Tester 0-490N Range for Wire Harness Testing

Model: WPM-490N
Testing Range: 0-490N

WPM-500N

Manual Spring Force Tester 500N Capacity



Description

The WPM-500N is a manual spring force tester designed for measuring pull and pressure forces in industrial quality control applications. It features arbor valve manual control for precise adjustments, making it ideal for testing springs, cable harnesses, and small components. The compact benchtop design fits easily into production lines and QC labs.

Specifications

Model	WPM-500N
Force Range	0-500N (1000N customizable)
Effective Stroke	150mm (280mm customizable)
Test Speed	25-500mm/min
Operating Voltage	AC220V
Dimensions	470 x 220 x 225mm
Weight	35kg

Key Features

- 0-500N force range (1000N customizable) with manual arbor valve control for precise force adjustment
- Adjustable test speed 25-500mm/min for versatile testing of springs and cable harnesses
- Compact benchtop design (470x220x225mm, 35kg) suitable for production line integration



Description

The TF-52 is an electric terminal tensile tester equipped with a 0-50KG tension sensor and LCD peak value display. It features a cam-type wire clamping mechanism, fast terminal rack plate, and automatic return functions, making it the ideal solution for testing pull-out force of various wiring harnesses and terminal connectors in automotive, electronics, and industrial applications.

Specifications

Model	TF-52
Tension Sensor Range	0-50KG
Display Type	LCD peak value
Clamping Mechanism	Cam-type wire clamping
Features	Fast terminal rack, auto return-to-zero, auto return...
Application	Pull-out force testing of wiring harnesses and termi...

Key Features

- 0-50KG high-precision tension sensor with LCD peak value display for accurate readings
- Cam-type wire clamping mechanism with fast terminal rack plate for secure gripping and quick setup
- Automatic zero return and post-test return for efficient, repetitive testing workflows



Description

The WPM-5000A is an electric double column force gauge test stand with a maximum load of 5000N. It features a dual vertical pole structure for excellent stability, stepless speed regulation from 15-240mm/min, and both manual crawl and automatic switching modes. Compatible with HF and NK series force gauges, it is ideal for push-pull load, insertion force, and destructive testing across rubber, plastics, wire & cable, automotive parts, and composite material industries.

Specifications

Model	WPM-5000A
Max Load	5000N (up to 30000N optional)
Effective Stroke	220mm (up to 1000mm customizable)
Test Speed	15-240mm/min (stepless)
Power Supply	AC 220/110V 50/60Hz
Dimensions	400 x 250 x 1050mm
Net Weight	56kg

Key Features

- Heavy-duty double column structure with 5000N max load for stable and precise force measurement
- Stepless speed regulation 15-240mm/min with gear drive and manual/automatic mode switching
- Compatible with HF & NK series force gauges; customizable stroke up to 1000mm for versatile applications

WPM-ADL-
0.5KN

500N Terminal Pull Force Tester for Cable Crimp Connections

Specifications

Model	WPM-ADL-0.5KN
Force Range	500N (1000N optional)
Resolution	0.01N
Accuracy	±0.5%
Power Supply	Rechargeable Ni-Cd battery (220V AC, 4-6h charge)
Ambient Temperature	0-60°C
Allowable Overload	150%
Dimensions	115 x 180 x 30mm

Key Features

- High-precision measurement with 0.01N resolution and +/-0.5% accuracy for reliable crimp quality assessment
- LCD display with standard data interface for curve analysis and test data download to PC
- Portable rechargeable battery design (220V AC charging, 4-6h charge time) with 150% overload protection

Description

The WPM-ADL-0.5KN is a portable terminal pull force tester specially designed for measuring pull forces of crimp connections, weld connections, and other assembly applications. It features a simple LCD for easy programming and readout, high resolution of 0.01N with +/- 0.5% accuracy, and a standard interface for curve analysis and test data download. The rechargeable battery enables portable field use.





Description

The WPM-490N is a manual tensile tester designed for wire harness testing with a 0-490N range. It tests the tensile strength of electrical wires and optical conductors, clamping force of wire and terminals, fixed force of terminals and insulators, and connecting force of joints or connectors. The manual operation makes it simple and reliable for production line QC and laboratory use.

Specifications

Model	WPM-490N
Testing Range	0-490N
Force Levels	5, 10, 20, 30, 50
Grip Slipper Stroke	70mm
Clamping Pincers Stroke	9mm
Chuck Adjustment	10mm
Dimensions	600 x 185 x 190mm
Weight	20kg

Key Features

- 0-490N testing range with multiple force level options (5/10/20/30/50) for different wire gauges
- Versatile testing capabilities: wire tensile strength, terminal clamping force, insulator retention, connector force
- Simple manual operation with 70mm grip slipper stroke and 9mm clamping pincers stroke for efficient testing

Contact Us

Request a Quotation

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