Schleuniger

Innovators in Wire Processing

PullTester 26

Pull Testing Machine

QUALITY ASSURANCE

Schleuniger

PullTester 26

Concept

Schleuniger's PullTester 26 is a dual-range, motorised, bench-top unit designed to measure pull-test forces of crimp and ultrasonic weld connections on a wider range of wires than single-range pull test devices. Pull test values are critical parameters for quality control and assurance. The PullTester 26 can also perform non-destructive tests (hold to a specified force). This versatile machine has two measuring ranges, which are individually calibrated enabling use of its 500 N (110 lbs.) scale for small wires, while easily switching to its 1000 N (220 lbs.) scale for larger wires. This dual-range capability ensures the highest accuracy for the widest range of applications. Hand actuated or pneumatic pull test devices can give inconsistent data depending on the operator or pull rate. Some standards specify that a test device must pull with a consistent rate. The Schleuniger PullTester 26 is equipped with a speed-controlled motor, ensuring consistent pull rates throughout the measuring range resulting in repeatable and accurate data. Pull forces can be measured in pounds, Newtons or kilo ponds are available upon request. The standard 12-position terminal holder accommodates a wide variety of terminals to suit most applications. A variety of terminal holders, however, are available upon request.

Applications

The PullTester 26 has features such as four pulling rates and internal memory to accommodate more stringent test requirements.
It can also be integrated with a quality network which brings together crimp height, pull test and crimp force data to ensure a high quality tested product. Pull test data can be stored for future reference or downloaded for statistical evaluation. The PullTester 26 will test pull forces up to 1000 Newtons (220 lbs.) and is specially suited for quality assurance in a production environment.

Special Features

- Simple LCD display for easy programming and digital pull force read out
- Speed-controlled motor for consistent pull rates throughout the measuring range
- 4 selectable pulling rates
- Dual range for improved accuracy over a wider range of wires
- RS 232 interface for curve analysis and statistics with WinCrimp software
- 4 pulling modes for destructive and non-destructive tests
- Memory for up to 2400 values
- Networking capabilities

Technical Specifications

Measuring Range	Standard: 0 – 500 N and 0 – 1000 N (0 – 110 lbs. and 0 – 220 lbs.), other variations possible
Units of Measure	N, Kp, lbs.
Display	Upper: LCD 6-digit for force readings Lower: LCD 4-line for programming and operation
Applied Force Accuracy	0.2% of full scale (500 N / 110 lbs.: ±1 N / 0.22 lbs. or 1000 N / 220 lbs.: ±2 N / 0.44 lbs.)
Operating Temperature	0 – 50° C
Maximum Stroke	43 mm (1.69")
Pulling Speed	4 speeds: 50, 75, 100 mm/min. or high speed. (1.97, 2.95, 3.94"/min. or high speed)
Pulling Modes	Pull + Break: Normal pull test until wire breaks Pull + Hold: Pull to a specified force and hold for 1-120 s (non-destructive test) Pull + Return: Pull to a specified force and reduce (non-destructive test) Pull + Hold + Break: Pull to a specified force and hold for 1-120 s until wire breaks
Device Data Memory	Up to 48 jobs with 50 measurements (2400 measurements)
Monitoring	Device display output; Optional WinCrimp statistical software for visual force-time-table on PC and statistical analysis for evaluation with download possibility to Microsoft® Excel software.

Sales and Service by:

Schleuniger Group
Thun | Switzerland
www.schleuniger.com

To Be Precise.

Schleuniger

Technical Specifications

Setting Protection	IP 20
Print Capabilities	RS232 connection directly to printer or PC using WinCrimp Software
Network	Multiple devices in combination with crimp force monitor and crimp-height measurements device via WinCrimp software with either RS232 or TCP/IP.
Interface	RS 232
Motor	Motor 24 VDC
Weight	approx. 8 kg. (18 lbs.)
Dimensions	180 x 130 x 380 mm (7 x 5 x 15“)
CE-Conformity	The PullTester 26 fully complies with all CE and EMC equipment guidelines relative to mechanical and electrical safety and electromagnetic compatibility.
Important Note	Schleuniger recommends that wire samples be submitted in case where there is doubt as to the processing capabilities of a particular machine.

Sales and Service by:

Schleuniger Group
Thun | Switzerland
www.schleuniger.com

To Be Precise.