Schleuniger

Innovators in Wire Processing

PullTester 25

Pull Testing Machine

QUALITY ASSURANCE

Schleuniger

PullTester 25

Concept

Schleuniger's PullTester 25 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. This versatile machine has two measuring ranges, which are individually calibrated enabling use of its 500 N (1110 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 25 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. 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 25 is the base model for it's counterpart, PullTester 26. The PullTester 26 has more features such as four pulling rates and internal memory to accommodate more stringent test requirements. Both devices will test pull forces up to 1000 Newtons (220 lbs.) and are 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
- 2 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

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	LCD 6-digit
Applied Force Accuracy	0.2% of full scale (500 N/ 110 lbs.: ±1N/ 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	Variable. 2 speeds: 50 or 100 mm/min. (3.9"/min.)
Pulling Modes	Pull + Break: normal pull test until wire breaks out
Device Data Memory	Not available
Monitoring	Device display output; Optional WinCrimp Basic software for visual force-time-table on PC for evaluation.
Setting Protection	IP 20
Print Capabilities	RS232 connection directly to printer or via PC using WinCrimp Software
Network	In combination with crimp force monitor and crimp-height measurements device via WinCrimp software. Only one device with RS232 network. Multiple devices with RS232-TCP/IP adapters.

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Technical Specifications

Interface	RS 232
Motor	Motor 24 VDC
Weight	Approximately 8 kg. (18 lbs.)
Dimensions (L x W x H)	180 x 130 x 380 mm (7 x 5 x 15”)
CE-Conformity	The PullTester 25 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.

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