



Innovators in Wire Processing

PullTester 27
Pull Force Testing Device

QUALITY ASSURANCE

PullTester 27

Concept

Schleuniger's PullTester 27 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 versions with two measuring ranges each, which are individually calibrated enabling use for small or large cables.

- PullTester 27 (standard): 2,000 / 5,000 N (440 / 1100 lbs.)
- PullTester 27-10 (special): 5,000 / 10,000 N (1100 / 2200 lbs.)

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 27 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 terminal holder can be designed and manufactured based on your application; in addition, a variety of terminal holders are available upon request.

Applications

In addition to the multiple range, the PullTester 27 has two selectable pulling rates. As an option, it can be integrated with a quality network using WinCrimp and TCP / IP adapters which brings together crimp height, pull test and crimp force data to ensure a high quality tested product. The PullTester 27 is available in two versions and is specially suited for quality assurance in a production environment.

Special Features

- Dual LCD displays for simple programming and operation
- Speed controlled motor for consistent pull rates throughout the measuring range
- Dual range for improved accuracy over a wider range of wires
- Two versions available
 - Standard: 2,000 / 5,000 N (440 / 1100 lbs.)
 - Special: 5,000 / 10,000 N (1100 / 2200 lbs.)
- Two selectable pulling rates
- RS 232 interface for curve analysis with WinCrimp software
- Networking capabilities (optional)

Technical Specifications

Measuring Range	Standard: 2,000 / 5,000 N (440 / 1100 lbs.) Special: 5,000 / 10,000 N (1100 / 2200 lbs.) (other combinations 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
Operating Temperature	0 – 50°C
Maximum Stroke	80 mm (3.14")
Pulling Speed	2 speeds: 50 or 100 mm/min. (1.97 or 3.94"/min.)
Pulling Modes	Pull + Break: Normal pull test until wire breaks
Device Data Memory	Not available
Monitoring	Device display output; optional basic WinCrimp software for visual force-time-table on PC for evaluation with download possibility to Microsoft® Excel software.
Setting Protection	IP 20
Print Capabilities	RS232 connection directly to printer or via PC using WinCrimp Software

Technical Specifications

Network	Single device in combination with crimp force monitor and crimp-height measurements device via RS232 connection using WinCrimp software. Multiple devices possible with RS232-TCP / IP adapters and appropriate WinCrimp.
Interface	RS 232
Motor	Motor 24 VDC
Power Supply	110 - 240 VAC
Weight	approx. 45 kg (101 lbs.)
Dimensions (L x W x H)	640 x 400 x 300 mm (25 x 16 x 12")
CE-Conformity	The PullTester 27 fully complies with all CE and EMC equipment guidelines relative to mechanical and electrical safety and electromagnetic compatibility.
Important Notice	Schleuniger recommends that wire samples be submitted in cases where there is doubt as to the processing capabilities of a particular machine.

Sales and Service by:

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To Be Precise.