PullTester 28
Pull Testing Machine

- ■ 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.)
- ■ Four selectable pulling rates
- ■ Three pulling modes for destructive and non-destructive tests
- ■ Memory for up to 2400 values
- ■ RS 232 interface for curve analysis and statistics with WinCrimp software
- ■ Networking capabilities

QUALITY ASSURANCE

PullTester 28

Concept

Schleuniger's PullTester 28 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 28 can also perform non-destructive tests (hold to a specified force). This versatile machine has two versions with two measuring ranges each, which are individually calibrated enabling use for small or large cables.

■ PullTester 28 (standard): 2,000 / 5,000 N (440 / 1100 lbs.)
■ PullTester 28-10 (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 28 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

The PullTester 28 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 28 is available in two versions and is specially suited for quality assurance in a production environment.

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
Unit of Measure	Newton (N), Kilopond (Kp), Poundforce (lbf.)
Display	Upper: LCD 6-digit for force readings Lower: LCD 4-line for programming and operation
Pressure Precision	+ 0.5% of full scale
Operating Temperature	0 – 50°C
Stroke	80 mm (3.14")
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 sec - 252 min (non-destructive test) Pull + Return: Pull to a specified force and reduce (non-destructive test)
Memory Capacity	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.
Safety	IP 20
Print Capability	RS232 connection directly to printer or via PC using WinCrimp Software
Network	Multiple devices in combination with crimp force monitor and crimp-height measure-ments device via WinCrimp software with either RS232 or TCP / IP.
Interfaces	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 28 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 cases where there is doubt as to the processing capabilities of a particular machine.

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To Be Precise.