



PullTester 27 **Pull Testing Machine**

- Simple LCD display for easy 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
- Two selectable pulling rates
- RS 232 interface for curve analysis and statistics with WinCrimp software
- Optional networking capabilities

QUALITY ASSURANCE

PullTester 27

Concept

The PullTester 27 is a dual-range, motorized, 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. This versatile machine has two versions with two measuring ranges each, which are individually calibrated enabling use for small or large cables. This dual-range capability ensures the highest accuracy for the widest range of applications. 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 kiloponds. 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.

Technical Specifications	
Measuring range	Standard: 2,000 / 5,000 N (450 / 1,124 lbs) Special: 5,000 / 10,000 N (1,124 / 2,247 lbs) (Other combinations possible)
Units of measure	N, Kp, lbf.
Display	Upper: LCD 6-digit for force readings Lower: LCD 4-line for programming and operation
Accuracy	+ 0.5% of full scale
Operating temperature	0 – 50 °C (0-122 °F)
Maximum stroke	80 mm (3.15")
Pulling rates	PullTester 27-25: Selectable 25 or 50 mm/min (0.98" or 1.97"/min) PullTester 27-50: Selectable 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-timetable on PC for evaluation with download capability to Microsoft® Excel.
Enclosure rating	IP 20
Print capabilities	RS 232 connection directly to printer or via PC using WinCrimp Software
Network	Single device in combination with crimp force monitor and crimp height measurements device via RS232 using WinCrimp software. Multiple devices possible with RS232-TCP/IP adapters and appropriate WinCrimp.
Interface	RS 232 (data transfers from device to PC only)
Motor	24 VDC
Weight	Approx. 45 kg (100 lbs.)
Dimensions (L x W x H)	640 x 400 x 300 mm (25.0" x 16.0" x 12.0")
CE – conformity	The PullTester 27 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.