Schleuniger

PullTester 26
Pull Testing Machine

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

QUALITY ASSURANCE

PullTester 26

Concept
The PullTester 26 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. 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. 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 kiloponds are available upon request. The standard 12-position terminal holder accommodates a wide variety of terminals to suit most applications. A variety of optional terminal holders 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.

Technical Specifications	
Measuring range	Standard: 0 – 500 N and 0 – 1000 N (0 – 112 lbs. and 0 – 225 lbs.), (Other variations 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	43 mm (1.7")
Pulling rates	4 speeds: 25, 50, 100 mm/min. or high speed (0.98", 1.97", 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 up to 252 min. (nondestructive test) Pull + Return: Pull to a specified force and reduce (non-destructive test) Pull + Hold + Break: To a specified force and hold for up to 252 min. and pull until wire breaks
Device data memory	Up to 48 jobs with 50 measurements (2,400 values)
Monitoring	Device display output; Optional WinCrimp statistical software for visual force-time-table on PC and statistical analysis 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	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 (data transfers from device to PC only)
Motor	24 VDC
Weight	Approximately 8 kg. (18 lbs.)
Dimensions (L x W x H)	205 x 130 x 405 mm (8.0" x 5.0" x 16.0")
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 cases where there is doubt as to the processing capabilities of a particular machine.