Schleuniger


# PullTester 326

## 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
- Triple range for improved accuracy over a wider range of wires
- RS 232 interface for curve analysis and statistics with WinCrimp software
- 4 selectable pulling rates depending on test requirements
- 4 pulling modes for destructive and non-destructive tests
- Memory for up to 2,400 values
- Networking capabilities

QUALITY ASSURANCE

# PullTester 326

**Concept**
Schleuniger's PullTester 326 is a triple-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. Pull test values are critical parameters for quality control and assurance. The PullTester 326 can also perform non-destructive tests (hold to a specified force). This versatile machine has three measuring ranges, which are individually calibrated. The standard measuring ranges are 200 N, 1,000 N, and 2,000 N (45 lbf, 225 lbf, 450 lbf) however other ranges are possible. This triple-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 326 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 standard 14-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 326 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 326 will test pull forces up to 2,000 Newtons (450 lbf.) and is specially suited for quality assurance in a production environment.

| **Technical Specifications** | |
|---|---|
| Measuring range | Standard: 0 – 200 N, 0 – 1,000 N, 0 – 2,000 N (0 – 45 lbf., 0 – 225 lbf., 0 – 450 lbf.), other variations available by special order |
| Units of measure | N, Kp, lbf. |
| Display | Upper: LCD 6-digit for force readings<br>Lower: LCD 4-line for programming and operation |
| Accuracy | 0.5% of measurement range |
| Operating temperature | 0 – 50 °C (0 - 122 °F) |
| Maximum stroke | 60 mm (2.36") |
| 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<br>Pull + Hold: Pull to a specified force and hold for up to 252 min. (nondestructive test)<br>Pull + Return: Pull to a specified force and reduce (non-destructive test)<br>Pull + Hold + Break: Pull 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 possibility 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 RS 232 or TCP/IP. |
| Interface | RS 232 connection directly to printer or PC using WinCrimp Software |
| Motor | Motor 24 VDC |
| Weight | Approximately 11 kg. (24 lbs.) |
| Dimensions (L x W x H) | 250 x 130 x 410 mm (10 x 5 x 16") |
| CE – conformity | The PullTester 326 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. |