



PullTester 320
Pull Testing Machine

QUALITY ASSURANCE

PullTester 320

Application Range

Schleuniger's PullTester 320 is a motorised device for use with Schleuniger CrimpCenter automatic crimping machines to measure pull-test forces of wire terminations. Pull test values are critical parameters for quality control and assurance. This versatile machine has three measuring ranges, which are individually calibrated. Multiple pulling ranges offer a higher accuracy over the entire device range than single-range devices. The standard measuring ranges are 100 N, 200 N and 1000 N (22.5 lb, 45 lb, and 220 lb). The PullTester 320 with its triple-range capability ensures the highest accuracy over 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 specific, constant rate. The Schleuniger PullTester 320 offers four selectable pulling rates consistent with the most common specifications. It is equipped with a speed-controlled motor, ensuring consistent pull rates throughout the complete measurement cycle resulting in repeatable and accurate data. Pull forces can be measured in pounds, Newtons or kiloponds. All necessary testing parameters are programmed via the CrimpCenter EASY software and saved with individual jobs for easy recall.

Processing Capabilities

The standard, 12-position terminal holder accommodates a wide variety of terminals to handle most applications. The machine will test pull forces up to 1000 N (220 lbs.) and is especially suited for quality assurance in a production environment.

Special features

- Triple range for the best accuracy over the widest range of wires
- 4 selectable pulling rates to comply with common test requirements
- Speed-controlled motor for consistent pull rates throughout the measuring range
- Fully integrated into CrimpCenter EASY software to save time

| Technical Specifications | |
|-----------------------------|--|
| Measurement Range | 0-100 N / 0-22 lbf / 0-10 Kp 0-200 N / 0-44 lbf / 0-20 Kp 0-1000 N / 0-220 lbf / 0-100 Kp |
| Units of Measure | N, Kp, lb. |
| Applied Force Accuracy | ±0,5 % of measurement range |
| Operating Voltage | 24 VDC |
| Operating Temperature Range | 0 - 50° C (32 - 120°F) |
| Maximum Stroke | 45 mm (1.70") |
| Pulling Speed | 25, 50, 100, Hi mm/min (0.98, 1.97, 3.94"/min. or high speed) |
| Pulling Modes | Pull + Break: normal pull test until wire breaks |
| Interface | RS 232 |
| Dimensions (L x W x H) | 330 x 205 x 240 mm (13 x 8 x 9.5") |
| Weight | Approximately 7 kg (15 lbs.) |
| Protective Class | IP 20 |
| CE – Conformity | The PullTester 320 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 case where there is doubt as to the processing capabilities of a particular machine. |