PullTester 20
Pull Testing Machine

QUALITY ASSURANCE

PullTester 20

Concept

Schleuniger's PullTester 20 is a motorized, benchtop unit designed to measure pull-test forces for a variety of applications. The most common applications are wire crimp and ultrasonic metal welding connections, but the design makes it possible to create custom fixtures for many other applications. Standards such as IEC and SAE specify that the device pulls at a consistent rate. The Schleuniger PullTester 20 is equipped with a speed-controlled motor, ensuring consistent pull rates throughout the measuring range, which means repeatable and accurate data. Pull-to-break (destructive) tests can be measured in pounds, Newtons or kiloponds.

Applications

The standard 12-position terminal holder accommodates a wide variety of terminals to handle most applications. A variety of terminal holders, however, are available upon request. The machine will test pull forces up to 500 N (110 lbs.) and is specially suited for quality assurance in a production environment.

Features

- Simple LCD display for easy digital pull force read out
- Speed controlled motor for consistent pull rates throughout the measuring range
- 2 variable pulling rates (either 1" and 2"/min. or 2" and 4"/min)
- RS 232 interface for curve analysis and transfer to Microsoft ® Excel

Options

See separate options overview sheet

Technical Specifications

Models	PullTester 20-50; PullTester 20-25; PullTester 20-TCP
Measuring Range	Up to 500 N (110 lbs.)
Units of Measure	N, Kp, lbs.
Display	LCD 4-digit
Applied Force Accuracy	0.4% of full scale (± 2 N or 0.44 lbs.)
Operating Temperature	0 – 50°C
Maximum Stroke	48 mm (1.89")
Pulling Speed	Selectable 50 or 100 mm/min (1.97 or 3.9"/min) for PullTester 20-50; Selectable 25 or 50 mm/min (0.98 or 1.9"/min) for PullTester 20-25
Pulling Mode	Pull + Break
Device Data Memory	Sending maximum pull force value to PC or serial printer
Monitoring	Device display output; Optional WinCrimp statistical software for visual force-time-table on PC and with download possibility to Microsoft® Excel software
Setting Protection	IP 20
Print Capabilities	Use RS232 for connection to device or via PC
Interface	PullTester 20-25 and PullTester 20-50 over RS 232; PullTester 20-TCP via TCP / IP
Motor	Motor 24 VDC
Power Supply	24 VDC
Weight	approx. 5 kg (11 lbs.)
Dimensions (L x W x H)	340 x 185 x 140 mm (13.4 x 7.3 x 5.5")
CE-Conformity	The PullTester 20 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.

Sales and Service by:

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To Be Precise.