

Crimping Line

Pulltester PT 1500

Testing device for the pull force measurement

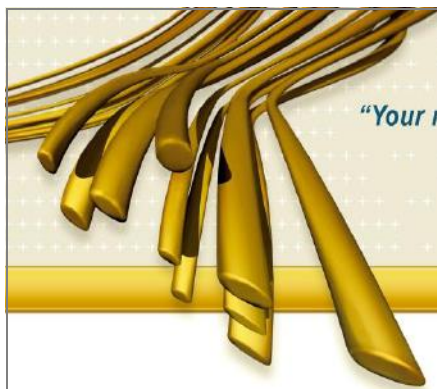


Pulltester PT 1500

The **Pulltester PT 1500** is a motorized measuring device for pull-out forces up to 1500N. The precisely controlled motor enables constant pulling over the entire force range and thus very accurate and reproducible measurements. Different test modes can be easily set via touch display. Both the force and the way are measured precisely. The **Pulltester PT 1500** fulfils any requirements and is excellently suited for quality control of crimp connections.

Performance features

- Measuring range from 15N to 1500N
- Measuring accuracy at 15 – 150N: +/- 1.5N and at 150 – 1500N: +/- 3.75N
- Even pull rates from 25 to 350 mm/min selectable
- 5" TFT colour touch display
- User access secured by password
- Force table for various cable cross-sections
- Wide range of interfaces for highest flexibility: USB, mini-USB, RS232, Ethernet and I/O



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Further performance features

- ⊗ Clamping crown or wedge gripper for crimps, quickly changeable
- ⊗ Quick release cable holder
- ⊗ Display of instantaneous and maximum value as well as measured curve
- ⊗ Display of the test result in N, kgf or lb
- ⊗ CpK value calculation
- ⊗ Overload protection at too high pulling forces
- ⊗ Real time clock for documentation of the measurement with date and time
- ⊗ Safety cut-out and automatic opening in case of resistance on the home drive



Clamping crown
(standard)



Wedge gripper
(optional)

Possible test routines

- 1) Pull test with nominal value check, Cpk calculation
- 2) Pull till defined force and release
- 3) Pull till defined force and hold it for a target time, duration 1 - 300 seconds freely selectable
- 4) Pull till defined force and hold it for a target time, duration 1 - 300 seconds freely selectable, then pull test with nominal value check



Measurement results on the touch screen

Technical data

⊗	Force range	15 - 1500N
⊗	Speed range	25 - 350 mm/min., variable in steps of 1mm/min
⊗	Resolution (force/path)	0.01 N / 0.1mm
⊗	Pull stroke	60mm
⊗	Measurement accuracy	15 – 150N: +/- 1.5N, 150 – 1500N: +/- 3.75N
⊗	Min. cable length of sample	80mm
⊗	Power supply	100 – 240 V AC / 50/60 Hz
⊗	Power consumption	max. 100 VA
⊗	Dimensions (W x D x H)	151 x 260 x 500 mm
⊗	Weight	approx. 16.5 kg