

## Crimping Line

# Pull Tester PT 5000

Testing device for the pull force measurement

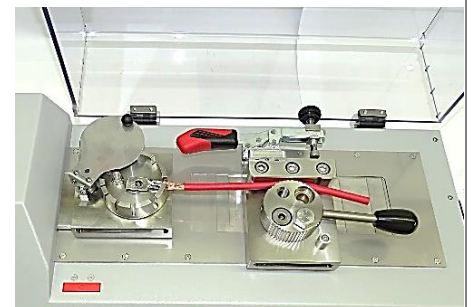


*Pulltester PT 5000*

The **Pulltester PT 5000** is a precise motorised measuring device to check the tensile strength of crimp connections, splice connections etc. Due to the modern colour screen the result can be displayed as value and also as a graphic chart. The graphic presentation of the force/way diagram facilitates the rating of the material performance during the pull test. The measurement is recorded way and time synchronously and presented as a high-resolution graph on the display. Thanks to the modern touch screen no additional PC is needed for displaying the results and operating the machine.

## Performance features

- Measuring range from **50N to 5000N**
- Measuring accuracy at 50 - 500 N: +/- 1.5 N and at 500 - 5000 N +/- 12.5 N
- 5 test functions** for destructive and non-destructive test procedures
- Electronically controlled drawing speed from 25 up to 350 mm/min freely selectable
- Universal use due to a **flexible mount for the sample holder**
- Changing of sample holder with few handgrips
- 5" TFT color touch display**
- Switchable password protection in 2 security levels
- Login via fingerprint scanner



*Universal clamping jaws for different sizes of crimps*

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### Further performance features

- ⊗ **Real-time transfer** of measurements to a PC with the optional **PT-Viewer 3 software**
- ⊗ Storage of measurements on an external **USB storage medium**
- ⊗ Printout of measurement results for quick documentation
- ⊗ Force table for various cable cross-sections provided in software
- ⊗ Wide range of interfaces: USB, mini-USB, RS232, Ethernet and I/O
- ⊗ Display of instantaneous and maximum value as well as measured curve
- ⊗ Display of the test result in N, kgf or lbf
- ⊗ Statistics function (CpK) for measurement series
- ⊗ Overload protection at too high pulling forces
- ⊗ Real time clock for documentation of the measurement with date and time
- ⊗ Plexiglass safety cover with magnetic safety switch

### 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 - 300s freely selectable, then pull test with nominal value check

### Technical data

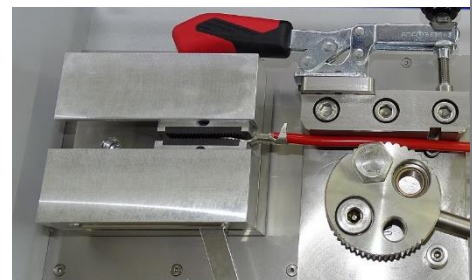
⊗ Force range	50 - 5000N
⊗ Speed range	25 - 350 mm/min., variable in steps of 1mm/min
⊗ Resolution (force/length)	0.01 N / 0.02mm
⊗ Pull stroke	140mm
⊗ Min. cable length of sample	200mm
⊗ Measurement accuracy	50 - 500 N: +/- 1.5 N, 500 - 5000 N +/- 12.5 N
⊗ Power supply	100 – 240 V / 50/60 Hz
⊗ Power consumption	max. 320W
⊗ Dimensions (W x D x H)	790 x 350 x 340 mm
⊗ Weight	approx. 50 kg



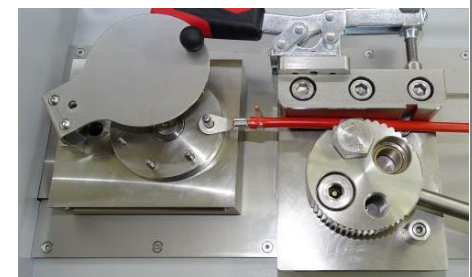
Display of the measurement curve in real time with zoom function



Login via the fingerprint scanner



Wedge gripper



Special fixture for ring cable lugs