

## Crimping Line

# Pulltester PT 750

Testing device for the pull force measurement



The **Pulltester PT 750** is a motorized measuring device for pull-out forces up to 750N. 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 length are measured precisely.

The **Pulltester PT 750** fulfils any requirements and is excellently suited for quality control of crimp connections.

## Performance features

- ⊗ Measuring range from 10N to 750N
- ⊗ Measuring accuracy at 10 – 150N: +/- 1.5N and at 150 – 750N: +/- 1.875N
- ⊗ 5 test functions for destructive and non-destructive test procedures
- ⊗ Electronically controlled drawing speed from 25 up to 350 mm/min freely selectable
- ⊗ 5" TFT color touch display for displaying measured values in numerical or graphic form
- ⊗ Switchable password protection in 2 security levels: 3 user levels or up to 100 users with freely selectable authorizations
- ⊗ Real-time transfer of measurements to a PC with PT-Viewer 3 software, available separately
- ⊗ Storage of measurements on an external USB storage medium for later processing on a PC
- ⊗ Printout of measurement results for quick documentation
- ⊗ Force table for various cable cross-sections
- ⊗ Wide range of interfaces for maximum flexibility: USB, mini-USB, RS232, Ethernet and I/O



"Your monitoring specialist"  
certified ISO 9001 + ISO 14001

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### Further performance features

- ⊗ Clamping crown or wedge gripper for crimps, quickly changeable
- ⊗ Quick cable clamping device for easy and reliable test procedure
- ⊗ 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
- ⊗ 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 10 - 750N
- ⊗ Speed range 25 - 350 mm/min., variable in steps of 1mm/min
- ⊗ Resolution (force/length) 0.01 N / 0.02mm
- ⊗ Pull stroke 60mm
- ⊗ Measurement accuracy 10 – 150N: +/- 1.5N, 150 – 750N: +/- 1.875N
- ⊗ 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