

Pulltester PT10k Gen2

Motorized pull force measuring device for large crimp connections



The **pull tester PT10k Gen2** is a precise motorized measuring device for pull tests on crimp connections with very large cable cross-sections, whereby the measuring range can increase up to 10,000 N.

Various destructive and non-destructive test modes can be selected. Thanks to the convenient touch display, no additional PC is required for display, operation and evaluation.

Interchangeable inserts are available for secure clamping of the contact element. The cable end itself is held by a particularly stable clamping device.

Performance features

- Measuring range from **100 N to 10.000 N**
- Measuring accuracy at 100 – 1,000 N +/- 3 N and at 1,000 – 10,000 N +/- 6 N
- 5 test functions** for destructive and non-destructive test procedures
- Electronically controlled drawing speed from 25 up to 350 mm/min freely selectable
- Firm fixing of the sample using interchangeable inserts and a heavy cable clamp
- 7" TFT color touch display**
- Switchable **password protection** in 2 security levels
- Login via fingerprint scanner



Sturdy cable clamp with inserts



“Your monitoring specialist“
certified ISO 9001 + ISO 14001

Crimping Line

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
- ⊗ Two-finger zoom function
- ⊗ **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



Display of the measurement curve in real time with zoom function

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



Different connections for flexible use

Technical data

⊗ Force range	100 – 10,000 N
⊗ Speed range	25 - 350 mm/min., variable in steps of 1mm/min
⊗ Resolution (force/length)	0.01 N / 0.02mm
⊗ Pull stroke	130mm
⊗ Min. cable length of sample	250mm (with additional insert)
⊗ Measurement accuracy	100 – 1,000 N: +/- 3 N 1,000 – 10,000 N: +/- 6 N
⊗ Power supply	100 - 240 V / 50/60 Hz
⊗ Dimensions (W x D x H)	1002 x 470 x 380mm
⊗ Weight	approx. 90kg (without machine table)