

Crimping Line

Auto Clip Tool Tester PT-Clip 3.0

Electronic force gauge for cable tie tensioning tools



PT-Clip 3.0 with mounted tensioning tool

Defective or incorrectly adjusted cable tie tensioning tools can cause serious damage to cable harnesses. The motorized testing device **PT-Clip 3.0** can measure the tensile force of the tool at the cable tie until it is cut. Testing is performed using cable ties that are processed with the tool. The precisely controlled drive enables constant, uniform pulling across the entire force range, resulting in highly accurate and reproducible measurements. Measurement results are shown on the display and can then be compared with the manufacturer's specifications and readjusted if necessary.

Performance features

- Testing of different makes and models using **universal tool holders and clip holders**
- Also suitable for **pneumatic tensioning tools** and **heavy-duty tensioning tools** (adapter may be required)
- No damage to the tool, as the drive switches off if the force is too high
- 5" TFT **color touch display** for displaying measured values in numerical or graphical form
- Optional **password protection** with 2 security levels
- **Real-time transmission** of measurements to a PC with the separately available **PT-Viewer 3 software**
- Storage of measurements on an **external USB storage** medium for later processing on a PC
- Printing of measurement results for quick documentation
- **Extensive interfaces** for maximum flexibility: USB, mini-USB, RS232, Ethernet, and I/O

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Further performance features

- ⊗ QR code reader for tool identification possible
- ⊗ Display with zoom and swipe function
- ⊗ Shows current and maximum values as well as graph for tension curve
- ⊗ Display of test results in N, kgf, or lb
- ⊗ Target value memory for tensioning tools
- ⊗ Overload protection for high tensile forces
- ⊗ Real-time clock for documenting measurements with date and time



Display of the maximum force value with evaluation of the test result



Graphical visualization of the tension curve with two-finger zoom function

Compatible with the following cable tie tensioning tools:

Hellermann Tyton:

- ⊗ MK3SP
- ⊗ MK3PNSP2*
- ⊗ MK6
- ⊗ MK9RE
- ⊗ MARK7
- ⊗ MARK7P*
- ⊗ MARK9
- ⊗ MARK9P*

- ⊗ EVO7 / EVO7SP
- ⊗ EVO9 / EVO9SP

Panduit:

- ⊗ GS2BL / GS2BE
- ⊗ GS4H
- ⊗ PPTS Tension*
- ⊗ GTH

- ⊗ GTS
- ⊗ GTS-E

Thomas & Betts:

- ⊗ ERG50P*

*an adapter is required for pneumatically driven tensioning tools; other compatible models on request.

Technical data

- ⊗ Force range: 10 – 250 N
- ⊗ Speed range: 7 – 100 mm/sec, freely selectable in 1 mm/sec steps
- ⊗ Max. release distance: 70 mm
- ⊗ Resolution force measurement: 0.01 N
- ⊗ Measurement accuracy: 10 – 150 N: +/- 1.5 N, 150 – 250 N +/- 3.75 N
- ⊗ Power supply: 100 – 240 V AC / 50/60 Hz
- ⊗ Power consumption: max. 100 VA
- ⊗ Dimensions (W x D x H): 600 x 170 x 330 mm
- ⊗ Weight: approx. 9 kg