

- Indication Range 0-500 N
- Testing Cable Tie Application Tools

### General Information:

- Small, handy electronic testing device used to determine the tensile force of cable tie tighten pistols; display and operation via 5.7" QVGA TFT-touchscreen display
- Easy to use and versatile testing device with minimum space requirements, for the use in production or test laboratory, suitable for tensile force measurements of all hand- or pneumatically operated cable tie pistols
- Indication Range: 0-500 N, measurement resolution of 0.05 N (other ranges 50/250/1000 N upon request)
- High measurement accuracy and reproducibility of measurement results
- Casing protected against dust
- High measuring frequency of 10000Hz
- Automatic zero point correction
- Tare compensation
- Overload indicator
- 2 operating modes:
  - Peak-mode, displaying the highest measured force value of the entire measurement procedure.
  - Tracking-mode, displaying the current force value
- Setup menu for adjustment
- Serial interface for measured value output.
- The CGT 50 is only suitable for testing cable tie tighten pistols
- Durable, maintenance-free all metal construction
- Universal quick action clamps for the fixture of different kinds of cable tie pistols and manufacturers (for example HellermannTyton, Panduit and others)
- Different mandrel tools for clamping the cable tie are deliverable
- Our electromotive ETM test stations are deliverable with the technical equipment for an automatic test procedure, allowing the actuating lever of the pneumatic clip gun to be triggered with preselected speed



Clip Gun Tester CGT 50 with KBP toolset and HellermannTyton cable tie tighten pistol MK 7

- *Technical Data*
- *Supplies*
- *Electromotive Models upon Request*



HellermannTyton MK 9 P with CGT 50 and KBP



HellermannTyton MK 7 with CGT 50 and quick action clamp KSH 6

**Optional Accessories:**

- Tabletop printer – Software mavDATAex, mavSTATlight
- Data transmission cable for printer connection
- Data transmission cable for computer connection
- Holding mandrels with customized diameters
- Different load ranges with higher precision out of the FT Series including additional software upon request.

**Technical Data:**

**Model Designation:** CGT-Touch 50  
 Indication range: 0-500 N  
 Measurement resolution: 0.05 N  
 Relative deviation in measuring area:  $\leq \pm 0.25\%$  of F.S.  $\pm 1$  digit

**Casing:**

Dimensions: Baseplate: W×D×H ca. 130×400×125 mm;  
 Controls: W×D×H ca. 125×105×70 mm;  
 Installation: Usable in longitudinal and transverse direction.  
 Weight: Around 6 kg  
 Material: Anodized aluminum, silver-grey

**Measuring System:**

Supply  
 Voltage: 24 V DC via an external power supply.  
**Force Transducer:**  
 Strain gauge load cells with integrated 16 bit AD-converter and RS485 bus overload protection

**Evaluation:**

Operating modes: Roll mode and peak mode;  
 Measurement frequency: 10000 Hz;  
 Zero point correction; Tare-compensation; Overload indicator;  
 Setup menu for parameter adjustment (with optional password protection); Real-time clock and date module;  
 Measured value memory for 4000 values;  
 Single and listing output of measured values via serial interface

**Display/Input:**

Display and operation via LED backlight QVGA TFT-touchscreen 5.7", ca. 115x86, LCD Update Rate: 60 Hz

**Input/Handling:**

All inputs and actuations made via touchscreen

**Interface:**

**RS232C** 1200-115200 baud, 8 data bits, 1 stop bit, Parity: none/even/odd;  
 Connection: Sub-D socket (15-pin)  
**Ethernet** Webserver for updates and REST-API for measuring data

**Implementation and Tool Fixture:**

Tool fixture is solid, made of stainless steel and therefore maintenance-free. Universal quick change tool fixtures with dovetail mount on the measuring point of the tester and a load bar with a guide rail and possible length adjustment enable trouble-free tool mounting.

**Deliverable Special Designs upon Request:**

The inspection of the cable tie pistols can be performed by using a specially modified tool assembly including one of our motor-driven testing devices ETM-A, ETM-M, ATM or MPM. In doing so, the tensioning pistol is laid in a fixed holding tool; pressing the lever then causes the adjustable mandrel to automatically pull the pneumatic pistols trigger with preselected speed. After triggering the pistol, the machine stops and returns to the starting position. (Choose option: "Break Stop")