

- Indication Range 0-500 N
- Tractive and Compressive Force Measurements

General Information:

- Electronic testing device with digital display for tensile and compressive force measurements
- Easy to use and space-saving, made for the use in production and test laboratories, suitable for the tensile force measurement of ready-made supply cables with flat plugs, end sleeves and other pressed, crimped soldered, welded glued or comparably connected parts
- Compressive force measurement, for example insertion and extraction tests.
- Indication Range: 0-500N, measurement resolution of 0.5N.
- High measurement accuracy and reproducibility of measurement
- Readout and operation via resistant touchscreen with dot matrix-LCD-Display.
- Casing protected against dust.
- High measurement frequency.
- Automatic zero point alignment.
- 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.
- Loading system with parallel guided load slide; actuation via laterally mounted hand-lever, adjustable in inclination; load slide with guide rail and possible length adjustment.
- Durable, maintenance-free metal construction.
- Universal quick-change tool holders

Optional Accessories :

- Tabletop printer – Software mavDataEX, -mavSTAT light
- Data transmission cable for printer connection
- Data transmission cable for computer connection
- Other supplies from the catalogue upon request

Clamping Tools & Holding Fixtures:

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|---------------------------|---------------------------|
| Clamping cone | SG 40, SG 80 |
| Turntable | DT 88K |
| Miniature cable tensioner | MK-8 |
| Quick action clamps | KSH-6, KSP-8 |
| Miniature grips | KSEL, FSEL |
| Layered cone | KBS for testing cable tie |
| Comb tool | KW 1, KW 2 |
- Other tools from the catalogue.
 Customized tools upon request.
 Clip gun tester model CGT 50 for testing the tensioning force of cable tie pistols.



Model CT 50 with SG 40 and MK-8/A

Technical Data CT 50:

- Model Designation:** CT 50
Indication range: 0-500 N.
Measurement resolution: 0,5 N
Relative deviation in measuring area: $\leq \pm 0.5 \%$ of value ± 1 digit
- Casing:**
Dimensions: Baseplate: WxDxH ca. 130x400x125 mm;
 Controls: WxDxH ca. 125x105x70 mm;
 Hand lever: 240 mm, adjustable inclination
- Weight:** around 8 kg.
Material: Anodized aluminum
Color: Silver-grey

Measuring System:

Supply Voltage: 12 V DC via an external power supply.

Force Transducer:

Strain gauge - load cells with integrated 12 bit AD-converter and RS485 bus. Overload protection.

Evaluation:

Operating modes: Tracking-mode and peak-mode;
 Measurement frequency: 10000 Hz; Zero point correction; Tare-compensation;
 Overload indicator;
 Setup menu for instrument adjustment;
 Individual output of measured values via serial interface.

Display:

Backlight LCD-dot matrix-display,
 128x64p, 56,3x38,4 mm.
 LCD update rate: 5 Hz.

Input/Handling

All inputs and actuations made via infrared-touchscreen.

Interface:

RS232C 1200 baud, 8 data bits, 1 stop bit,
 Parity: none;
 Connector: RJ45 socket (8-pin).