

- Indication Range 0-250 N / 0-500 N
- Pull Force Measurements

## General Information:

- Electronic testing device with digital display for tensile 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: 0-250 / 0-500N, measurement resolution of 0.5N.
- High measurement accuracy and reproducibility of measurement
- Readout and operation via resistant QVGA touchscreen 3,5"
- 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 :

- Data transmission cable for printer connection
- Data transmission cable for computer connection
- Other supplies from the catalogue upon request

## Clamping Tools & Holding Fixtures:

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 GT 50 for testing the tensioning force of cable tie pistols.	



Model CT-Touch

## Technical Data CT -Touch:

**Model Designation:** CT-Touch 25 / CT-Touch 50

Indication range: **0-250 N / 0-500 N**

Measurement resolution: **0,05 N / 0,1 N**

Relative deviation in measuring area:  $\leq \pm 0.25 \% \text{ of value} \pm 1 \text{ digit}$

### Casing:

Dimensions: Baseplate: W×D×H ca. 130×400×125 mm;  
 Controls: W×D×H ca. 120×92×35 mm;  
 Hand lever: 240 mm, adjustable inclination

Weight: around 8 kg

Material: Anodized aluminum

Color: Silver-grey

### Measuring System:

Supply Voltage: 24 V DC / 0,5 via external power supply

### Force Transducer:

Strain gauge - load cells with integrated 16 bit AD-converter, 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 single measured values via serial interface.

### Display:

QVGA colour-touchscreen with 3,5", ca. 70 x 55mm (Resolution 320x240p) with LED-Backlight LCD update rate: ca.60 Hz.

### Input/Handling

All inputs and actuations made via infrared-touchscreen.

### Interface:

**RS232C** 115200 baud, 8 data bits, 2 stop bit,  
 Parity: none;  
 Connector: RJ socket (6-pin).