

## Digital Tester Models FT / FTS

- Indication Ranges 0-50 N, 0-100 N, 0-250 N, 0-500 N, 0-1000 N with hand-lever or hand-wheel
- Tractive and Compressive Force Measurements



Model FT with hand-lever, Model FTS with hand-wheel



### Technical Data Measuring System FT / FTS:

- Indication ranges: 0- 50/100/250/500/1000 N.
- Measurement resolution: 4000/5000 for exact steps: see delivery overview
- Relative derivation in measuring area:  $\leq \pm 0.25$  % of value  $\pm 1$  digit.
- Built-in force measuring system:
- **Force Transducer:**  
Strain gauge - load cells with integrated 16 bit AD-converter and RS485 bus. Overload protection.
- **Force measuring device:**  
Dimensions: WxDxH ca. 125x105x70 mm;  
Supply Voltage: 12-24 V DC via an external power supply.
- **Evaluation:**  
Operating modes: Tracking-mode and peak-mode;  
Internal measurement frequency: 10000 Hz;  
Zero point correction, Tare-compensation;  
Optical and acoustical overload indicator;  
Set point value with optical and acoustical alarm;  
Setup menu for parameter setting and adjustment;  
Memory space for 10000 measured values;  
Single- and list output via serial interface;  
Real-time clock for printouts with date and time;  
Language for data output selectable: English, French, German
- **Display:**  
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 adjustable 1200-38400 baud, 7/8 data bits, 1/2 stop bit, parity: none/even/odd. Connector: RJ45 socket (8-pin).

### Technical Data FT / FTS:

#### FT Tester:

Capacity: 0- 50/100/250/500/1000 N.  
240mm hand-lever, adjustable inclination.  
Dimensions: WxDxH 130x400x125 mm.  
Weight: ca. 10 kg.  
Construction: Resistant metal construction.  
Color: silver and blue, anodized.  
Capacity: max. 1000 N.  
Linear stroke: ca. 80 mm.

#### Characteristics FT Tester:

Load slide, hand-lever operated for rapid test sequences, precise linear guidance.  
Durable, maintenance-free metal construction.

#### FTS Tester:

Capacity: 0- 50/100/250/500/1000 N.  
Dimensions: WxDxH 116x520x124 mm.  
Weight: ca. 12 kg.  
Color: blue, anodized.  
Capacity: max. 1000 N, overload protection.  
Linear stroke: 150 mm, precise linear guidance.

#### Characteristics FTS Tester:

Self-locking linear driven by hand-wheel, 1mm advance per rotation enables a steady, easy to apply workload and also holding under load.  
Durable, maintenance-free metal construction.

### Optional Accessories:

- Tabletop printer
- Software mavDataEX, -mavSTATight
- 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 tools	KW 1, KW 2

For other tools, please see the catalogue.

Customized tools upon request.

Clip gun tester model CGT 50 for testing the tensioning force of cable tie pistols.