

T-Series

Universal Materials Tensile Testers

Following models are available :

- **T3** (up to 3 kN, travel 500 mm)
- **T5** (up to 5 kN, travel 500 mm)
- **T3-1000** (up to 3 kN, travel 1000 mm)
- **T5-1000** (up to 5 kN, travel 1000 mm)
- **T10** (up to 10 kN, travel 700 mm with dual screw)
- **T10-1200** (up to 10 kN, travel 1200 mm with dual screw)
- **T20** (up to 20 kN, travel 1000 mm, max. sample width 400 mm with dual screw)
- **T25** (up to 25 kN, travel 1000 mm, max. sample width 400 mm with dual screw)
- **T30** (up to 30 kN, travel 1000 mm, max. sample width 400 mm with dual screw)
- **T50** (up to 50 kN, travel 1000 mm, max. sample width 400 mm with dual screw)



Model T5-500 mm



Model T10 1200 mm dual screw

Features

- Microprocessor controlled
Stand-alone (working without external computer)
- RS-232 to pc
- 2 line LCD updates force and distance
- Measuring length with HP-encoder accuracy:
0.01 mm
- Standard loadcell: 0.03 % linearity with calibration certificate
- Made of massive aluminium and stainless steel ballbearings and ball screws
- Includes software for standard testing

Cardboard, Non-wovens, Packaging, Paper, Plastics, Textile...

Physical specifications

Nett weight

varying from 50 (T3) to 250 kg (T20)

Options

- Extensometer or a second load cell

Software

The standard unit is able to work without PC in two modes:

- **Constant speed regulation**
During test it shows actual values of force and load. After test it shows the maximum value of force and the max. extension. Break force is also visible.
- **Constant force regulation**
A presetted value of force is kept during an adjustable time.

The programs can be changed via pc and RS-232. The languages (german, english, spanish, french, dänisch and italian) are only switchable on LCD. Standard delivery includes a basic-program for Microsoft Windows 95/98 and NT to move the unit, collect and save data, a printout and statistics.

Performance data

Force capacity

T3	up to 3 kN
T5	up to 5 kN
T10	up to 10 kN
T20	up to 25 kN
T25	up to 25 kN
T30	up to 30 kN
T50	up to 50 kN

Crosshead speed

Speed is variabel controlled from 1-700 mm/min with the max load.

Max speed 800 mm/min only for moving, T20-T50 can drive with 1000 mm/min.

Special sizes with different speed are possible.

Resolution

Resolution of a standard loadcell is $\pm 100\ 000$ data points with a rate of 50 Hz (standard delivery).

Max reachable resolution is 2 000 000 data points with a high precision load cell.

