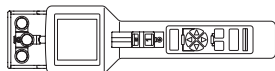




**Hand-Held, electronic  
DT Series**



Special purpose tension meter with large roller diameter and centre distance or small measuring head where access space is limited

**Special features DTSF and DTXF:**

- + Large, V-grooved guide rollers, ball-bearing mounted 32 mm Ø
- + Large bending radius assures gentle handling of the material being measured
- + Special guides on the bracket assembly permit easy material acquisition

**Special features DTSE and DTXE:**

- + Turned-up outer finger edges guide the running filament into the roller grooves
  - + Length of measuring head approx. 64 mm
  - + Small, ball-bearing mounted, V-grooved guide rollers
  - Apart from that the instruments relate to model DTS and DTX
- Note: These models do not have a material thickness compensator

**Models DTSF, DTXF, DTSL, DTXL**

| Available Models |           | Tension Ranges<br>cN | Measuring<br>Head Width*<br>mm | SCHMIDT<br>Calibration Material** |
|------------------|-----------|----------------------|--------------------------------|-----------------------------------|
| MODEL            |           |                      |                                |                                   |
| DTSF-200         | DTXF-200  | 1.0-200.0            | 140                            | PA: 0.12 mm Ø                     |
| DTSF-500         | DTXF-500  | 1.0-500.0            | 140                            | PA: 0.20 mm Ø                     |
| DTSF-1000        | DTXF-1000 | 10-1000              | 140                            | PA: 0.30 mm Ø                     |
| DTSF-2000        | DTXF-2000 | 20-1000              | 140                            | PA: 0.50 mm Ø                     |
| DTSE-200         | DTXE-200  | 1.0-200              | 36                             | PA: 0.12 mm Ø                     |
| DTSE-500         | DTXE-500  | 1.0-500              | 36                             | PA: 0.20 mm Ø                     |
| DTSE-1000        | DTXE-1000 | 10-1000              | 36                             | PA: 0.30 mm Ø                     |
| DTSE-2000        | DTXE-2000 | 20-1000              | 36                             | PA: 0.50 mm Ø                     |

\* Outer distance between outside guide rollers

\*\* Suitable for 95 % of applications (see also chart on page 11)  
PA = Polyamide Monofilament

**Guide Rollers**

**DTSF, DTXF**

|           | Line Speed<br>Vmax. ... m/min | Roller Material                                           |
|-----------|-------------------------------|-----------------------------------------------------------|
| V-grooved |                               |                                                           |
| Standard  | 4000                          | Hard-coated aluminium                                     |
| Code T    | 4000                          | Plastic (PVC) red<br>(Same dimensions as standard roller) |

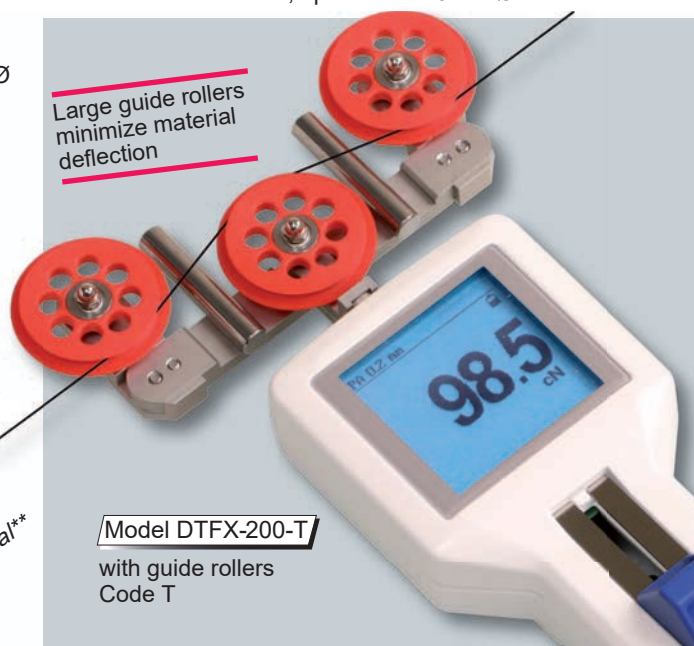
**DTSE, DTXE**

|           |      |                       |
|-----------|------|-----------------------|
| V-grooved |      |                       |
| Standard  | 900  | Hard-coated aluminium |
| Code K    | 2000 | Hard-coated aluminium |

**Optional Accessories** **Specifications** same as DTS or DTX  
(see page C7 and C8)

## Model DTSF, DTXF

For fragile filaments such as optical fibres, carbon single fibers and technical fibres etc., up to max. 1.5 mm Ø



## Model DTSE, DTXE

These tension meters are recommended where the standard models DTS and DTX cannot be used

