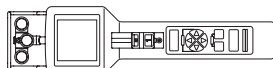




**C** Hand-Held, electronic  
DT Series



Special purpose tension meter for measuring all kinds of tapes and bands, such as textile ribbon, films, foils, fiber bunches etc.

**Special features:**

+ Dual-flanged outer guide rollers with various widths, from 7 mm to 41 mm (single-flanged rollers optional)

■ Apart from that the instruments relate to model DTS and DTX

Note: These models do not include a filament guide and material thickness compensator

When selecting the instrument for your specific application, please keep in mind that:

1. Rollers of different widths are not interchangeable by the user
2. The roller width should correspond with the width of the material to be measured. Otherwise incorrect measuring results may occur and the instrument may be damaged

To assist you in selecting the right tension meter for your specific application, please furnish:

- Kind and dimensions of the material to be measured
- Expected tension range
- Material sample of about 5 m

**Models DTSB, DTXB**

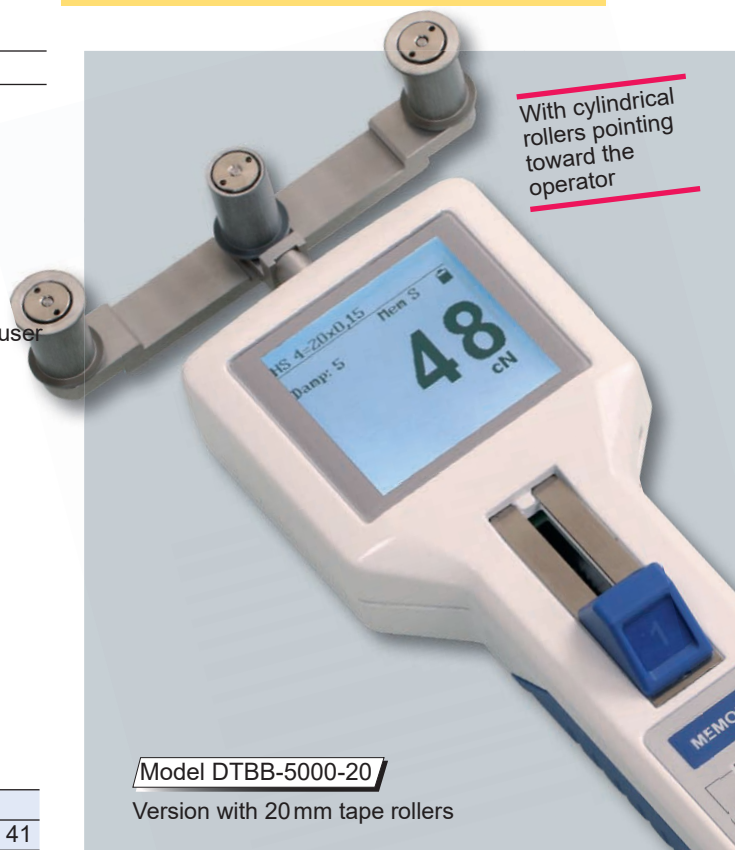
Available Models	Tension Ranges*	Measuring Head Width**	Roller Widths
MODEL	cN	mm	mm
DTSB-500	5.0-500.0	55	7, 10, 15, 20
DTSB-1000	50-1000	55	7, 10, 15, 20, 30, 41
DTSB-2000	100-2000	55	7, 10, 15, 20, 30, 41
DTSB-2500	150-2500	117	7, 10, 15, 20, 30, 41
DTSB-4000	200-4000	55	7, 10, 15, 20, 30, 41
DTSB-5000	250-5000	117	7, 10, 15, 20, 30, 41
DTSB-10K	0.5-10.00 daN	117	7, 10, 15, 20, 30
DTSB-20K	1.0-20.00 daN	167	7, 10, 15, 20, 30
DTSB-30K	1.5-30.00 daN	217	7, 10, 15
DTSB-50K	2.5-50.00 daN	217	7, 10
DTXB-500	5.0-500.0	55	7, 10, 15, 20
DTXB-1000	50-1000	55	7, 10, 15, 20, 30, 41
DTXB-2000	100-2000	55	7, 10, 15, 20, 30, 41
DTXB-2500	150-2500	117	7, 10, 15, 20, 30, 41
DTXB-4000	200-4000	55	7, 10, 15, 20, 30, 41
DTXB-5000	250-5000	117	7, 10, 15, 20, 30, 41
DTXB-10K	0.5-10.00 daN	117	7, 10, 15, 20, 30
DTXB-20K	1.0-20.00 daN	167	7, 10, 15, 20, 30
DTXB-30K	1.5-30.00 daN	217	7, 10, 15
DTXB-50K	2.5-50.00 daN	217	7, 10

Other measuring head widths available on request.

\* SCHMIDT calibration material textile ribbon or film, depending on tension range and roller width

\*\* Outer distance between outside guide rollers

**Models DTSB, DTXB**



**Guide Rollers**

Line Speed  
v<sub>max</sub> ... m/min  
Roller Material

→ see page E →

Standard	1000	Hard-coated aluminium (Exception: 7 mm rollers are made of nickel-plated steel)
----------	------	--

Other roller materials (nickel-plated steel or plastic), as well as special coatings (anti adhesive or carbon fibres - NAV optimized) are available on request.

**Optional Accessories**

Code MH	Mounting thread for online use
Code WL	Wi-Fi modul for wireless data transfer (only model DTXB; no worldwide approval)

**Specifications** same as DTS or DTX (see page C 7 and C 8)

Special calibration using customer supplied samples is available:  
Please supply a sample of at least 5 m in length.