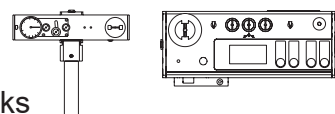




## Hand-Held MKM and MST Series



### Tension Meter for measuring the tension of sewing machines and yarn breaks

These models can be used for measuring the upper and lower thread. These unique instruments exist out of a tension meter (with analog or digital display) with an integrated motorized take-up fixture with constant speed of thread. Also yarn breaks and bobbin creels can be adjusted under constant conditions (speed of the thread).

Mechanical tension meter with motorized take-up fixture

## Model MKM

3 Tension ranges from 10-50 cN to 50-400 cN



#### Special features:

- + Motorized take-up wheel for constant take-up speed (~8 m/min respectively ~15 m/min) for similar conditions
- + Handle can be reversed for using the instrument comfortable in all positions

#### Standard features:

- Motor rechargeable battery operated
- Ball-bearing mounted, V-grooved guide rollers
- Weight, net (gross): approx. 650 g (1250 g)
- Inspection Certificate with Calibration Report optionally available
- Apart from that the instrument relates to model MK

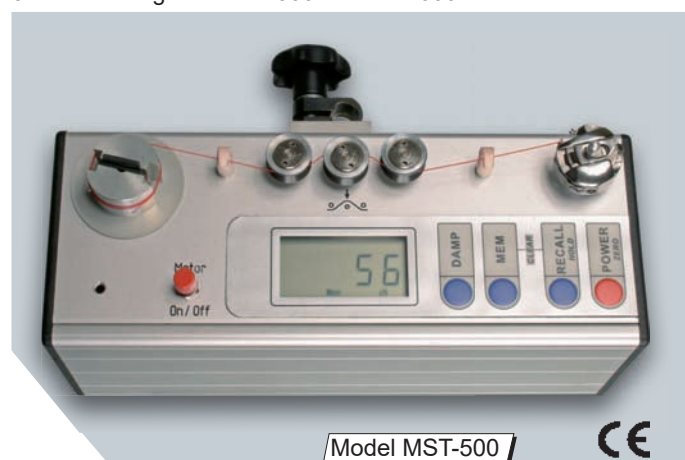
Available Models	Tension Ranges	Take-up Speed	SCHMIDT Calibration Material*
MODEL	cN	m/min	
MKM-50	10-50	15	PA: 0.12 mm Ø
MKM-100	10-100	15	PA: 0.12 mm Ø
MKM-400	50-400	8	PA: 0.20 mm Ø

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

Electronic tension meter with motorized take-up fixture

## Model MST

3 Tension ranges from 1-500 cN to 1-2000 cN



#### Special features:

- + Motorized take-up fixture to have constant speed of the thread ( $v = 8 \text{ m/min}$ )
- + Storage of AVG, LAST, MIN, MAX, PEAK-MAX and PEAK-MIN values as well as statistical analysis (average value) during a user-selected period
- + Special fixture to determine shuttle tension
- + Section-cup base for positioning the unit on sewing machine table when tension is measured
- + Connection to PC using Software »Tension Inspect 3« optional

#### Standard features:

- Battery or mains-operated (MST-2000 only mains-operated)
- Zero setting by using the "Zero" button before measurement
- Output signal (option): analog 0-2 VDC  
digital RS-232
- Weight, net (gross): approx. 780 g (2000 g)
- Inspection Certificate with Calibration Report optionally available

Available Models	Tension Ranges	SCHMIDT Calibration Material*
MODEL	cN	
MST-500	1-500	PA: 0.20 mm Ø
MST-1000	1-1000	PA: 0.30 mm Ø
MST-2000	1-2000	PA: 0.50 mm Ø

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