



**Stationary, electronic
TS Series**

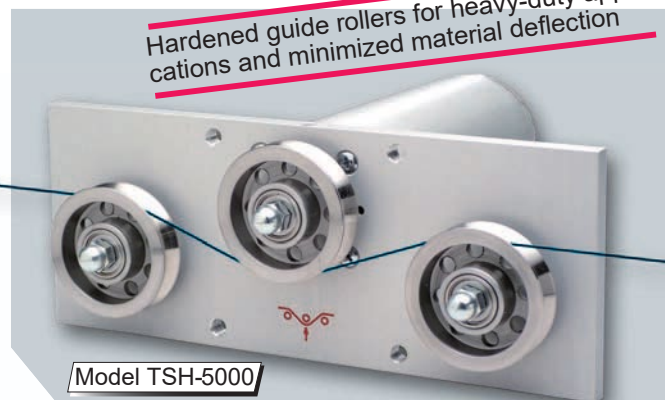


Tension sensor for flexible wire, cable, plastic tubing and other materials up to 8 mm Ø or 10 mm width

Model TSH

6 Tension ranges from 0 - 1000 cN to 0 - 50.00 daN

Hardened guide rollers for heavy-duty applications and minimized material deflection



Model TSH-5000

Special features:

- + Guide rollers 30 mm Ø, available with V-, U-groove or flat
- Apart from that the instrument relates to model TS1

Available Models

MODEL	Tension Ranges cN	Measuring Head Width* mm	SCHMIDT Calibration Material**
TSH-1000	0 - 1000	150	PA: 0.30 mm Ø
TSH-2000	0 - 2000	150	PA: 0.50 mm Ø
TSH-5000	0 - 5000	200	PA: 0.80 mm Ø
TSH-10K	0 - 10 daN	200	PA: 1.00 mm Ø
TSH-20K	0 - 20 daN	250	PA: 1.50 mm Ø
TSH-50K	0 - 50 daN	250	Steel rope 1.50 mm Ø (7 x 7 x 0.20)

Other tension ranges and measuring head widths available on request.
Other units of measure available, such as g.

* Outside dimensions of front plate

** Suitable for 95 % of applications (see also chart on page 11)

PA = Polyamide Monofilament

Guide Rollers

	Line Speed v _{max} ... m/min	Roller Material
V-grooved		
Standard	4000	Hardened steel (max. Ø 5 mm)
U-grooved		
Code R1	4000	Hard chrome-plated steel (radius R5)
Tape rollers		
Code B6	2000	Hardened steel, width 6 mm
Code B10	2000	Hardened steel, width 10 mm

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Tension sensor for wires, ropes and cables up to max. 14 mm Ø

Model TSW

3 Tension ranges from 0 - 20 daN to 0 - 100 daN

Big guide rollers 60 mm Ø, minimizes material deflection



Model TSW-100K

Special features:

- + Guide rollers 60 mm Ø, available with V- or U-groove
- + Depending to the material to be measured the dimensions of the sensor can be modified
- Apart from that the instrument relates to model TS1

Available Models

MODEL	Tension Ranges daN	Measuring Head Width* mm	SCHMIDT Calibration Material*
TSW-20K	0 - 20	550	steel rope 1.5 mm Ø (7 x 7 x 0.25)
TSW-50K	0 - 50	550	steel rope 1.5 mm Ø (6 x 7 x 0.30)
TSW-100K	0 - 100	550	steel rope 1.5 mm Ø (6 x 7 x 0.50)

Other tension ranges available on request.
Other units of measure available, such as g.

* Outside dimensions of front plate

Guide Rollers

	Line Speed v _{max} ... m/min	Roller Material
V-grooved		
Standard	2000	Hard-coated aluminum max. wire diameter 5 mm
U-grooved		
Code R2	2000	Hard-coated aluminum (Radius R5)
Code R3	2000	Hard-coated aluminum (Radius R8)

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

Output Signal **Power Supply** **Specifications** Models TSH and TSW same as Model TS1 (see page D2 and D14)