

TENSIOMETER

**** code 2876_78 ****

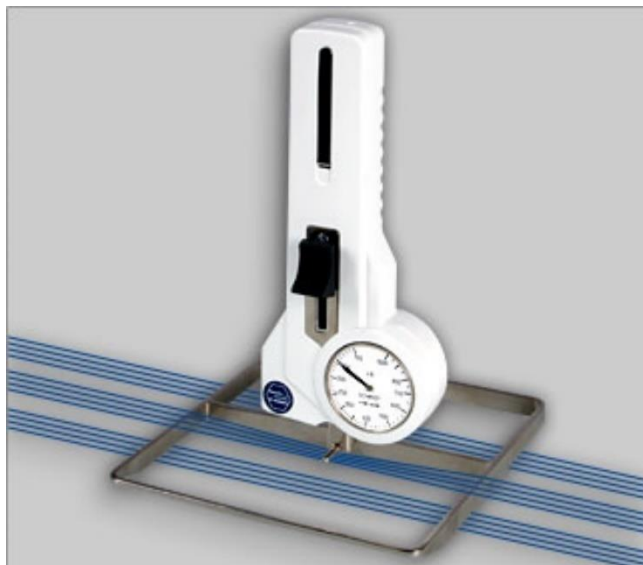
Mechanical tensiometer for measuring warp threads on stagnant weaving machines. 3 tension ranges models, from 20 – 300 cN up to max. 200 – 2.000 cN.

Hand-held unit for determining the tension of a single warp thread or several threads

Tensiometer with large reference frame for easy placing on the yarn

Special Features

- Tensiometer with analog display
- Large reference frame (15 x 17 cm) will be placed on a sheet of warp yarns. Thereby save and accurate measurements are possible
- Width of the sensing pin 10 mm (34 mm optionally available)
- Determinating the statical tensions of warp threads, not dynamic
- Roller shifting mechanism ensure easy acquisition of the running material



Finger Support: We recommend mounting a finger support for higher tension ranges

Note: This model does not include a filament guide and material thickness compensator

Standard Features

- Everything in operator's view:
 - the guide rollers
 - the measured material
 - the readings
- Each instrument is individually calibrated for highest accuracy
- 41 mm Ø scale
- Tensiometer with rugged aluminium housing
- Certificate of Compliance with the order 2.1, according EN 10204, included.
- Optionally available: Calibration report, code 286.CC1.
- Optionally available: Inspection Certificate 3.1, according EN 10204, with calibration report, code 286.CC2.

*Photographs and descriptions of the present leaflet have to be considered as purely indicative and not binding.
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Operation

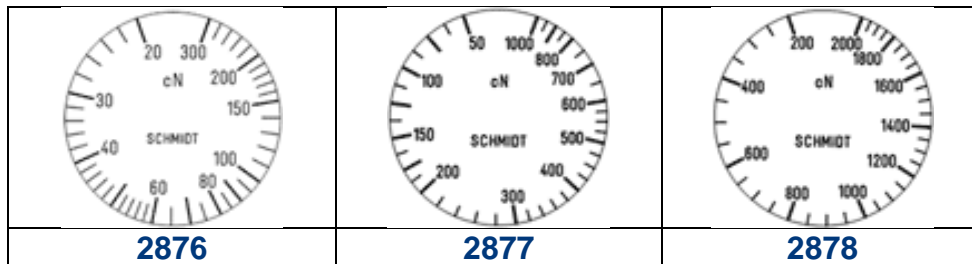
We recommend always measuring the same number of ends, such as 5 or 10 ends (repeat of pattern) or only a single end at a time. During measurement make sure that the ends are not pulled or pressed out of their alignment

Available models

MESDAN code	Model	Measure range cN	Company calibration*	Material thickness compensator
2876	DXK-300	20 - 300	fabric tape	no
2877	DXK-1000	100 – 1.000	fabric tape	no
2878	DXK-2000	200 - .2000	fabric tape	no

Other tension ranges available on request.
Other units of measure available, such as g
* Suitable for 95 % of applications

Scales



Scales are manufactured according to the most stringent quality requirements. Printed scales are not used. Instead, each scale is individually marked for the instrument involved. This ensures highest quality. Our special procedure makes it possible to provide tension meters

- calibrated to custom supplied material
- fine tuned to a specific tension range
- other units of measure such as g

Attachment



Memory Pointer

Retains the highest measured value (Peak). Available for mechanical tensiometers.



Inspection Certificate 3.1, according EN 10204, with calibration report, code 286.CC2.

Calibration report, code 286.CC1

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Carrying case

Tensiometer with carrying case, operating instruction in german or english (as requested), Certificate of Compliance with the order 2.1 according EN 10204 free of charge

Specifications

Calibration:	According to company factory procedure
Accuracy:	± 1 % full scale or ± 1 graduation on scale
Scale diameter:	41 mm
Temperature range:	10 - 45 °C
Air humidity:	85 % RH, max.
Housing material:	Die-cast aluminium
Housing dimensions (L x W x H):	188 x 85 x 45 mm
Weight, net (gross):	Approx. 470 g (1000 g)
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