



Tension Meter



3 Tension ranges available
from 10 - 50 cN up to 20 - 200 cN

Tension Meter DXP

Specifications

Calibration:	According to SCHMIDT 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
Weight, net (gross):	Approx. 470 g (1000 g)

- With non-rotating ceramic pins for high line speeds up to max. 6000 m/min
- Hand-held mechanical tension meter with measuring head as small as possible for limited access space.
Only for textile applications!
- Material slip is avoided by small flanges on each side of the pin

Special Features

- The analog display of tension meter DXP shows changing and fluctuating tensions fast and enables an optimal process adjustment
- Non-rotating ceramic pins permit line speeds up to max. 6000 m/min
- The ceramic pins have on each side small flanges to guide the thread and to avoid slipping off the ceramic pins
- Small measuring head width with of only 27 mm for measurements at positions with limited space
- Length of measuring head approx. 64 mm
- Roller shifting mechanism ensure easy acquisition of the running material
- Built-in mounting holes permit fixed installation for continuous tension measurement
- Turned-up outer finger edges guide the running filament into the roller grooves
- Special finger support located on the rear side reduces the effort to move the outer roller assembly

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
- Tension meter rugged aluminium housing
- Certificate of Compliance with the order 2.1 according EN 10204
- Optionally available: Inspection Certificate 3.1 according EN 10204 with calibration report



Available Models

Model	Tension Range	Measuring Head Width* X	Measuring Head Width Y	SCHMIDT Calibration Material**
DXP-50	10 – 50 cN	27 mm	44 mm	PA: 0.12 mm Ø
DXP-120	20 – 120 cN	27 mm	44 mm	PA: 0.12 mm Ø
DXP-200	20 – 200 cN	27 mm	44 mm	PA: 0.12 mm Ø

Scales

SCHMIDT 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 meter DXP

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



DXP-50



DXP-120



DXP-200

Dimensions

