



**B.N.C.TOOLING Co.,Ltd.**

BNCTOOLING.COM  
BNCTOOLINGSHOP.COM

69/90 Hatairat Rd., Minburi ,Minburi Bangkok (Thailand) 10510

**SCHMIDT**  
control instruments

## Tension Meter

9 Tension ranges available  
from 10 - 50 cN up to 5 - 20 daN

### ***Tension Meter DXT***



### Specifications

Calibration:	According to SCHMIDT factory procedure
Accuracy:	$\pm 1$ % full scale or $\pm 1$ 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. 520 g (1300 g)

- Special purpose mechanical tension meter for measuring all kinds of tapes and bands, such as textile ribbons, films, foils, fiber bunches, etc.
- Hand-held instrument with cylindrical rollers (width max. 50 mm) pointing away from the operator
- The tension meter is equipped with both-sided flanged outside guide rollers for better filament guide

### Special Features

- The analog display of tension meter DXT shows changing and fluctuating tensions fast and enables an optimal process adjustment
- Tape rollers with contact surface from 7 mm up to 50 mm are available
- Dual-flanged outer guide rollers with various widths for better filament guide (single-flanged rollers optional, recommendable if the material being measured is wider than the tape roller)
- Roller shifting mechanism ensure easy acquisition of the running material
- Built-in mounting holes permit fixed installation for online use
- Special finger support located on the rear side reduces the effort to move
- Calibration to customer supplied material is available

### Standard Features

- Everything in operator's view:
  - the guide rollers
  - the measured material
  - the readings
- Tape rollers, ball-bearing mounted
- Each instrument is individually calibrated for highest accuracy
- 41 mm Ø scale
- Tension meter with rugged aluminium housing
- Certificate of Compliance with the order 2.1 according EN 10204 is included
- Optionally available: Inspection Certificate 3.1 according EN 10204 with calibration report



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### Available Models

Model	Tension Range*	Measuring Head Width**	Roller Width
<b>DXT-50</b>	10 – 50 cN	57 mm	7 mm
<b>DXT-120</b>	20 – 120 cN	57 mm	7, 10, 15, 20, 30 mm
<b>DXT-200</b>	20 – 200 cN	57 mm	7, 10, 15, 20, 30 mm
<b>DXT-400</b>	20 – 400 cN	57 mm	7, 10, 15, 20, 30 mm
<b>DXT-1000</b>	100 – 1000 cN	57 mm	7, 10, 15, 20, 30, 36, 41, 50 mm
<b>DXT-2000</b>	200 – 2000 cN	117 mm	7, 10, 15, 20, 30, 36, 41, 50 mm
<b>DXT-5000</b>	400 – 5000 cN	117 mm	7, 10, 15, 20, 30, 36, 41, 50 mm
<b>DXT-10K</b>	2.5 – 10 daN	117 mm	7, 10, 15, 20, 30 mm
<b>DXT-20K-L</b>	5 – 20 daN	117 mm	7, 10, 15, 20 mm

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 DXT

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

### Dimensions

