



Tension Meter



7 Tension ranges available
from 10 - 50 cN up to 200 - 2000 cN

Tension Meter DXV

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)

- Special designed mechanical tension meter provides easier reading when the standard design makes dial reading difficult
- Hand-held instrument with measuring head rotated by 90°
- Tension meter with small measuring head, where access space is limited and turned-up outer finger edges for easy thread

Special Features

- The analog display of tension meter DXV shows changing and fluctuating tensions fast and enables an optimal process adjustment
- Small measuring head width with of only 40 mm for measurements at positions with limited space
- Length of measuring head approx. 42 mm
- Turned-up outer finger edges guide the running filament into the roller grooves
- Roller shifting mechanism ensure easy acquisition of the running material
- Built-in mounting holes permit fixed installation for continuous tension measurement
- Special finger support located on the rear side reduces the effort to move the outer roller assembly
- Small, ball-bearing mounted, V-grooved guide rollers

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 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



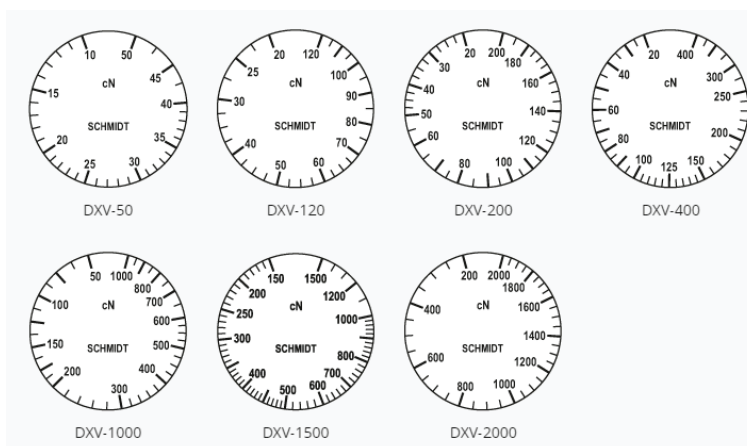
Available Models

Model	Tension Range	Measuring Head Width* X	Measuring Head Length Y	SCHMIDT Calibration Material**
DXV-50	10 – 50 cN	40 mm	38 mm	PA: 0.12 mm Ø
DXV-120	20 – 120 cN	40 mm	38 mm	PA: 0.12 mm Ø
DXV-200	20 – 200 cN	40 mm	38 mm	PA: 0.12 mm Ø
DXV-400	20 – 400 cN	40 mm	38 mm	PA: 0.20 mm Ø
DXV-1000	50 – 1000 cN	40 mm	38 mm	PA: 0.30 mm Ø
DXV-1500	150 – 1500 cN	40 mm	38 mm	PA: 0.30 mm Ø
DXV-2000	200 – 2000 cN	40 mm	38 mm	PA: 0.50 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 ZD2

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



Dimensions

