SCHMIDT control instruments

Tensiometre pentru fire, seria DXP.

Tension Meter DXP

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

Hand-held mechanical tension meter with measuring head as small as possible for limited access space. Only for textile applications!
With non-rotating ceramic pins for high line speeds up to max. 6000 m/min

Material slip is avoided by small flanges on each side of the pin



Tension meter DXP

Special Features

- The analog display 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
- 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



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

Note: This model does not include a material thickness compensator

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Standard Features

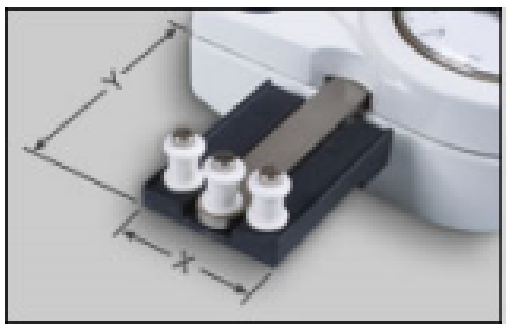
- Everything in operator's view:
  - the guide rollers
  - the measured material
  - the readings
- Each instrument is individually calibrated for highest accuracy
- 41 mm Ø scale
- Tension meter rugged aluminium housing
- Certificate of Compliance with the order 2.1 according EN 10204
- Optionally available: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

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Available Models

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

Other tension ranges available on request.
Other units of measure available, such as g.
* Width of bracket assembly
** Suitable for 95 % of applications - PA = Polyamide Monofilament





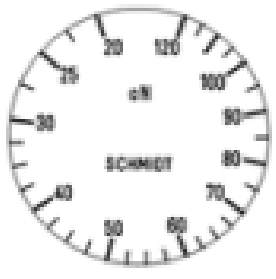


Scales

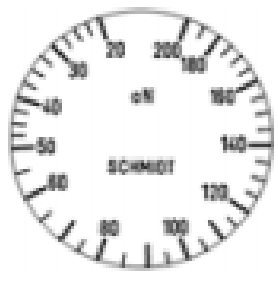
Click to get larger image



[Model DXP - 50]



[Model DXP - 120]



[Model DXP - 200]

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 meters

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

Guide Pins

Order-Code	Line Speed v_{max} ...m/min	Pin Material
Standard	6000	Oxide ceramic Ø 5.2 mm

Click the order-code, to get picture and drawing of the guide pins

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Spare Pins

Click picture to get an overview for the guide rollers

Attachment

Code A



Air Damping
(for tension range 20 - 120 cN and higher)
for steady reading when tension fluctuates

Click picture for more information



Code M

Memory Pointer
(tension range 20 - 120 cN and higher)
Retains the highest measured value (PEAK). Available for mechanical tension meters

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Calibration Report (optional)

Inspection Certificate 3.1 according DIN EN 10204
including a calibration report is optional available

Click picture for more information

Ordering Example

To place an order	**Model with tension range**		**Code for attachment**		**Complete Order No.**
Please indicate the complete order number, e. g.:	DXP-120	+	A-M	=	DXP-120-A-M

Delivery Includes



Tension meter 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

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Products and specifications are subject to change without prior notice.