

TENSIOMETER

**** code 286A_DNPWY7 ****

Universal mechanical tension meter for versatile applications in textile, fibre and wire industry.

Suitable for measurements on winders, doubling machines, twistors, warpers. Versatile useable tension meter.

Application area in textile industry: e. g. 25 up to max. 20000 tex.

Application area in wire industry: e. g. 0.05 up to max. 1.7 Ø mm copper wire

10 Tension ranges from 10 - 50 cN to 5 - 20 daN.



Standard Features

- Everything in operator's view: the guide rollers, the measured material, the readings.
- Ball-bearing mounted, V-grooved guide rollers.
- Each instrument is individually calibrated for highest accuracy.
- 41 mm Ø scale.
- Tension meter with rugged aluminum 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.

MLAB code	Model DX2	Tension Ranges cN	Measuring Head Width* mm	Calibration Material**	Material thickness compensator
286N	50	10 - 50	66	PA: 0.12 mm Ø	no
2867	120	20 - 120	66	PA: 0.12 mm Ø	no
286P	200	20 - 200	66	PA: 0.12 mm Ø	no
286A	400	20 - 400	66	PA: 0.20 mm Ø	no
286D	1000	50 - 1000	66	PA: 0.30 mm Ø	yes
286W	2000	200 - 2000	116	PA: 0.50 mm Ø	yes
286Y	5000	400 - 5000	116	PA: 0.80 mm Ø	yes
	8000	1000 - 8000	116	PA: 1.00 mm Ø	yes
	10K	2.5 - 10 daN	116	PA: 1.00 mm Ø	yes
	20K-L	5 - 20 daN	216	PA: 1.50 mm Ø	yes

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Guide Roller

Guide roller	m/min	Roller material
Standard	2000	Hardcoated aluminum (R10003)
Code K	3500	Hardcoated aluminum
Code H	5000	Plasma-coated aluminum (model 120 and higher)
Code T	1000	Plastic (POM) black
Code W	1000	Nickel-plated steel
Code ST	1000	Hardened steel
Code B	1000	Tempered steel (for tire cord)
Code CE1	1000	Ceramic
Code ASY	1000	Hardcoated aluminum, asymmetrical groove Gauge without filament guide (model 120 and higher)
Code U	2000	Hardcoated aluminum (radius R3)

Specifications

Calibration:	According to 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 aluminum
Housing dimensions (L x W x H):	188 x 85 x 45 mm
Weight, net (gross):	Up to 10K approx. 470 g (1000 g) 20K-L approx. 580 g (2000 g)
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