

ZF2

Economical low tension measuring instrument for checking fibers, yarns and fine wires



Special Features

- + Slim filament guide with small guide rollers - ideal for limited access space
- + Light weight
- + Large, easy to read scale (54 mm Ø)
- + Filament guide and roller shifting mechanism ensure easy acquisition of the running material

Standard Features

- Ball-bearing mounted, V-grooved guide rollers
- Each instrument is individually calibrated for highest accuracy
- Specific Test Report with calibration report optionally available

Available Models

Model	Tension Ranges cN	Measuring Head Width* mm	SCHMIDT Calibration Material**
ZF2-5 (code 286F)	1-5	43	Filament: 25 tex
ZF2-10	1-10	43	Filament: 25 tex
ZF2-12 (code 286S)	1-12	43	Filament: 25 tex
ZF2-20 (code 286B)	2-20	43	Filament: 25 tex
ZF2-30 (code 286G)	3-30	43	PA: 0.12 mm Ø
ZF2-50 (code 2868)	5-50	43	PA: 0.12 mm Ø
ZF2-100 (code 2871)	10-100	43	PA: 0.12 mm Ø

Other tension ranges available on request. Other units of measure available, such as g.

* Width of filament guide

** Suitable for 95% of applications - PA = Polyamide Monofilament

Special calibration using customer supplied samples is recommended, if process material differs significantly from the **SCHMIDT** calibration material in diameter, rigidity or shape. For this purpose a material sample of about 5 m should be supplied.

Guide Rollers

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	Line Speed m/min...max	Roller Material
V-grooved		
Standard	900	Hardcoated aluminium (R10010)

Code K	2000	Hardcoated aluminium
Code T	450	Plastic (POM) black
Code W	450	Nickel-plated steel

Scales



ZF2 - 5



ZF2 - 10



ZF2 - 12



ZF2 - 20



ZF2 - 30



ZF2 - 50



ZF2 - 100

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

Specifications

Calibration:	According to SCHMIDT factory procedure
Accuracy:	±1% full scale or ±1 graduation on scale
Scale diameter:	54 mm
Temperature range:	10-45°C
Air humidity:	85% RH, max.
Housing material:	Plastic (POM)
Housing dimensions:	157 x 85 x 32 mm (LxWxH)
Weight, net (gross):	approx. 200 g (600 g)

Specifications subject to change without notice!

Delivery includes:

Tension meter with carrying case, operating instructions in English or German as requested, Certificate of Compliance of the order 2.1 under EN 10204 free of charge

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