

Pira Elmatear Digital Tear Tester



The Elmatear offers an intrinsically safe instrument giving rapid, simplified testing with digital results. By using easy to change weights instead of having to change whole pendulums, and by having a two-handed release mechanism' testing is much more user friendly than with other models.

Key features: -

- Direct reading of measured data – no calculations
- Automatic out-of-range LED indicators
- User selection of measuring units - N or gf
- User selection of number of plies – 1, 2, 4, 6, 8, 10 & 16
- Easy to change pendulum weights – A, B, C & D standards
- Long-life titanium nitride coated blade
- Two-handed release and no finger traps

Standards:

| | |
|----------------|---|
| Paper | BS EN ISO 21974 ASTM D 689-96A SCAN P 11:96 TAPPI T414 0m-88 |
| Plastic | ISO 6383-2 Method 360A ASTM D 1922-94a |
| Textile | BS EN ISO 13937-1 ISO 9290 (woven fabrics) BS EN ISO 4674-2 (rubber or plastic coated fabrics) DIN 53862 ASTM D 1424 ASTM D 5734 (non-wovens) M&S P29 |

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Pira Elmatear Digital Tear Tester

Technical Specification

| | |
|----------------------|--|
| Specimen thickness | 5 mm max |
| Tear length | 43 mm |
| Units of measurement | N or gf |
| Display | 4 digit LED |
| No of plies | 1, 2, 4, 6, 8, 10 and 16 |
| Cut length | Adjustable to either 15 or 20 mm |
| Blade | Titanium nitride coated |
| Weight | Approximately 28 kg (including check weights) |
| Dimensions | 300 mm wide x 600 mm deep x 560 mm high |
| Power supply | 85-264 V, 50/60 Hz, 75 W |
| Weekly checking | 4 check weights supplied |

+Pendulum weights

| Pendulum weight | N(mN) | gf |
|-----------------|----------|------|
| A | 8 (000) | 800 |
| B | 16 (000) | 1600 |
| C | 32 (000) | 3200 |
| D | 64 (000) | 6400 |

Figures assume 1 ply. For example, for 4 plies, divide the figures by 4

Tear Tester supplied with:

4 x pendulum weights (A-D), 4 x check weights (A-D),

blade setting tool, spare blade and calibration certificate

Distributed by:

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