

**Moisture Meter
L 5800 DRYMETER III**



SCOPE

The TEXTEST Moisture Meter L 5800 DRYMETER III is a compact hand-held instrument for fast and convenient determination of the moisture regain in fibers, yarns and

fabrics. The instrument provides for direct and instant test results for 19 of the most commonly used textile materials and blends.

FUNCTION

The moisture regain is determined from the electrical resistance of the tested material. The electronic circuit controls a linear LED array, over which a transparent drum is located. This drum carries the scales for the various materials and blends. For operation the appropriate scale is positioned over the LED array, and the moisture regain of the test specimen is directly indicated on that scale by the illuminated moving indicator of the LED array.

Sophisticated electronics provide for a high measuring stability, thus eliminating the need for calibration.

Although the absolute measuring accuracy is limited (as with all instruments of this kind due to the measuring principle employed) the instrument is well suited for comparative measurements and offers an interesting

alternative to the time consuming and cumbersome oven conditioning method.

The instrument is supplied with the following probes plus a carrying case for the instrument with all accessories:

- Bale probe (130 mm) for fibers in bales.
- Cup probe for small fiber, yarn or fabric samples.
- Short needle probe (10 mm) for cops, cheeses and warp beams.
- Flat probe for fabrics and delicate yarn packages.

The following probes are available as an option:

- L 5800-35 Long needle probe (35 mm) for soft cheeses and roving bobbins.
- L 5800-RO Roller probe for measurements on moving fabrics.

TECHNICAL SPECIFICATIONS

- Measuring ranges:

Cotton:	3.5 through 11 %
Wool:	12.5 through 25 %
Rayon:	6.5 through 19 %
Jute:	7.5 through 19 %
Polyester:	1.1 through 2 %
Polyamide:	2.7 through 5.5 %
Polyacrylic:	1.2 through 4 %
Polyacrylonitrile:	1.2 through 4 %
Cotton 84 % / Rayon 16 %:	4 through 12 %
67 % 33 %:	4.5 through 14 %
50 % 50 %:	5 through 15 %
33 % 67 %:	5.5 through 17 %
Cotton 50 % / Polyester 50 %:	2.5 through 6.5 %
33 % 67 %:	2 through 5 %
Wool 40-90 % / Rayon 60-10 %:	8 through 22 %
10-30 % 90-70 %:	7 through 22 %
Wool 45 % / Polyester 55 %:	6 through 12 %
Wool 80 % / Polyamide 20 %:	10.5 through 20 %
Rayon 30 % / Polyester 70 %:	3 through 7.5 %
- Power requirements: 2 batteries UM-2 / R-14, 1.5 V
- Battery life time: 10 operating hours
- Dimensions: 6 cm diameter x 24 cm
- Weight of instrument with probe: 630 g
- Net/gross weight: 1.4 / 2.5 kgs.