SC METROMAT SRL
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SCHMIDT control instruments

Umidometru pentru materiale textile TEM.

Textil Moisture Meter TEM-I

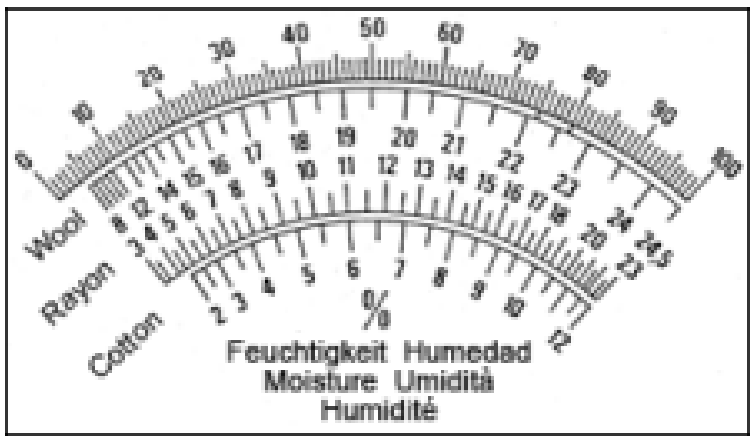
To determine the residual moisture of yarn bobbins, fabric rolls, filaments, fiber flocks etc.
Portable textile moisture meter with analog display



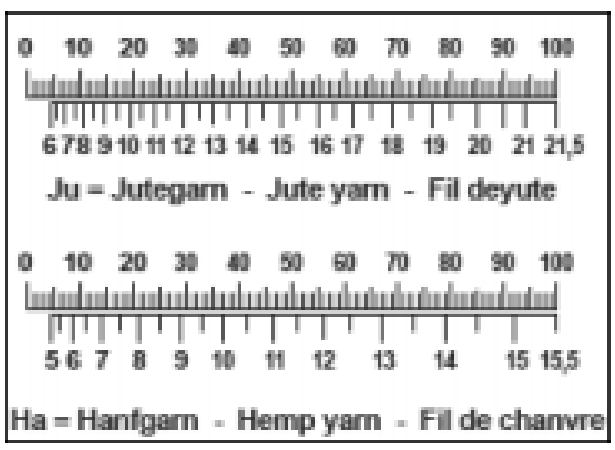
Textil moisture meter TEM-I CE

Special Features

- Easy to use moisture meter for many applications
- Multiple scale for direct readings for wool, rayon and cotton, as well as 0 - 100 scale for comparison tables used for other materials like Polyester, Polyamid and many material mixtures



Direct readings for wool, rayon and cotton, and 0 - 100 scale for comparision tables



Comparision tables for 36 fiber types

- High accuracy and reproducibility
- Portable, battery-operated
- Optionally available: Manufacturers test certificate with calibration report

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Standard Features

- A wide choice of needles, knifes, rollers and surface electrodes for many applications
- Compact housing supplied in leather carrying case with neck strap

Measuring principle
The moisture content is determined by measuring the electrical conductivity of the material which always is proportional to the content of the moisture.

Comparison Table

Overview of fiber types listed in manual. For these fibers the moisture can be determined using the comparison tables and the 0 - 100 scale.

For PDF-File please click picture

Available Models

Model	Description
TEM-I	moisture meter **with** standard accessories (complete)
TEM	moisture meter **without** standard accessories (only display device)

Standard Accessories



Measuring Cable

Length 1 m
Order number: 50200M

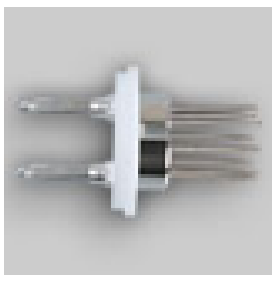
Click picture for more information



Electrode Holder

To take up various electrodes, weight 100 g
Order number: 50204M

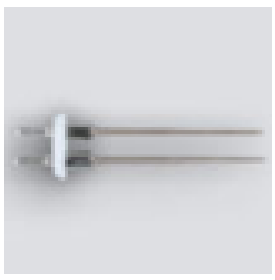
Click picture for more information



Needle Electrode

For measuring yarns, cross-wound bobbins and hanks
needle length 25 mm, weight 40 g
Order number: 50205M

Click picture for more information



Needle Electrode

for measuring yarns, cross-wound bobbins and hanks, etc., needle length 100 mm,
weight 40 g
Order number: 50207

Click picture for more information

More Electrodes

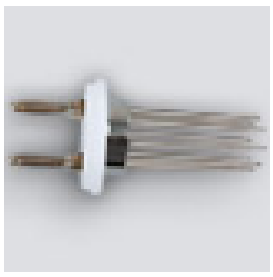
Cup Electrode



For cotton, 140 x 63 mm Ø, weight 55 g
Order number: 50202M

Click picture for more information

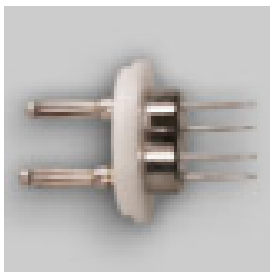
Needle Electrode



For measuring yarns, cross-wound bobbins and hanks,
needle length 45 mm, weight 45 g
Order number: 50206M

Click picture for more information

Needle Electrode



For measuring harder materials e. g. felt
needle length 17 mm, weight 40 g
Order number: 50208M

Click picture for more information

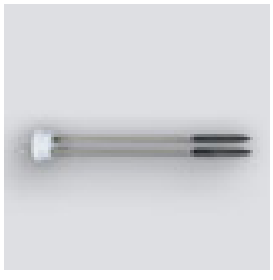
Stab Electrode



For measuring textiles in sacks and rolls, especially yarn and fabrics,
needle length 325 mm, insulated shank 35 mm, weight 150 g
Order number: 50209aM

Click picture for more information

Cotton Electrode



Especially for measuring cotton and similar products in sacks or pressed bales,
piercing point 75 mm, insulated shank 175 mm, weight 225 g
Order number: 50209BSM

Click picture for more information

Knife Electrode



For measuring textile fabric, knife length 110 mm,
weight 50 g
Order number: 50210M

Click picture for more information

Roller Electrode 211



Roller electrode for measuring running webs of fabrics
27 mm roller diameter, weight 100 g
Order number: 50211M

Click picture for more information

Continuous Run Electrode



For yarn hanks and single filaments
16 mm roller diameter, weight 70 g
Order number: 50212M

Click picture for more information

Surface Electrode



For measuring fabrics, surface diameter 23 mm,
weight 40 g
Order number: 50213M

Click picture for more information

Calibration Electrode



With a fixed calibration value. The result is stamped on the electrode and available as certificate on demand.
Order number: 50299M

Click picture for more information

Accessories (optional)



Calibration Report

Manufacturers test certificate with calibration report is optional available.

Delivery Includes



Instrument with leather carrying case and battery, 1 connecting cable no. 200, electrode holder no. 204, electrodes no. 205 and no. 207, 1 operating instructions with comparison tables in 5 languages (german, english, french, spanish, italian)

Specification

Measuring ranges:	**Wool:** 8 to 24.5% moisture content **Rayon:** 3 to 23% moisture content **Cotton:** 2 to 12% moisture content **Comparison measurement:** 0 - 100 scale
Battery:	9 V E-block
Weight net (gross):	Approx. 900 g (1300g)
Dimensions:	200 x 250 x 70 mm (LxWxH)

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