PORTABLE DIGITAL MOISTURE METER
FOR TEXTILE IN ALL FORMS
AND OTHER APPLICATIONS
PORTABLE DIGITAL MOISTURE METER FOR TEXTILES IN ALL FORMS

- Moisture measuring range available with suitable sensor to meet any individual requirement.
- Different types of detachable moisture measuring electrodes available to meet any individual requirement.
- Finds application in:
  - Textile
  - Agriculture
  - Food
  - Paper
  - Chemical
  - Wood
- System available with computer interface for lot wise and sort wise data storage.
- Unit is also available with interface to transmit data to PC using wireless communication.
- Data transmitted includes:
  - Sample no.
  - Name of client
  - Type of fibre or material
  - Moisture content
  - Lorry number and owner’s name etc.

So while checking number of sample one does not have to write manually all such details which will avoid manual labour & error.

This format or print can be available as per specific requirement also in form of digital or graphical data.

Apart from above, software package is with facility to pass SMS message on mobile for daily as well as emergency alerts.

SEMITRONIK
PORTABLE MOISTURE METER
Uses highly stable microprocessor circuit technology to overcome the traditional limitations of measuring moisture by resistance techniques.
Its main features are:
- Digital display.
- Measurements in percent regain.
- Internal auto-calibration facility.

SCOPE
Interchangeable probes are available for measurements on loose baled fibres, laps, slivers and tops, rovings, all types of yarn packages and stationary or moving warps and fabrics.
Special probes can be designed and made to order.

PORTABILITY
Is light and compact and is provided with attractive carrybag which houses the detachable electrodes also.

POWER SOURCE
Is powered by rechargeable batteries. A full charge lasts for 24 hours.
Low battery warnings are given. Complete recharging takes about 8 hours.

EASE-OF-USE
Is easy to use. Results of measurements are displayed digitally - no calculations or corrections need to be made by the operator.

TECHNICAL DATA

<table>
<thead>
<tr>
<th>Ranges</th>
<th>(％ regain)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cotton</td>
<td>3.5 to 20%</td>
</tr>
<tr>
<td>Wool</td>
<td>10 to 40%</td>
</tr>
<tr>
<td>Jute</td>
<td>7 to 32%</td>
</tr>
<tr>
<td>Rayon</td>
<td>7 to 32%</td>
</tr>
<tr>
<td>Staple Fibre</td>
<td>7 to 40%</td>
</tr>
<tr>
<td>Silk</td>
<td>6 to 30%</td>
</tr>
<tr>
<td>Nylon</td>
<td>3 to 17%</td>
</tr>
<tr>
<td>Acrylic</td>
<td>1 to 5%</td>
</tr>
<tr>
<td>Polyester</td>
<td>0.5 to 2.25%</td>
</tr>
<tr>
<td>Viscose</td>
<td>3.5 to 29%</td>
</tr>
<tr>
<td>Food Grains</td>
<td>2 to 15%</td>
</tr>
<tr>
<td>Pulses</td>
<td>2 to 15%</td>
</tr>
<tr>
<td>Olisides</td>
<td>2 to 20%</td>
</tr>
</tbody>
</table>

Feather, Ceramic; Tea, Wood; Sand.
Optionally all ranges can be provided from 0% onwards.

Other fibres by
- user-calibration facility
- Readability: 0.1
- (% regain)
- Display: 4 digit 12 mm LCD
- Batteries: 24 hours of continuous usage
  - Low battery indication on display
- Power requirements for
  - Any voltage between
  - Recharging: 110 - 240 V A.C.
- Dimensions: W 80 x H 145 x D 375 mm
- Weight: 1.5 kg
- Standard: Connecting cable for accessories, plug-in type sensors

PORTABLE DIGITAL MOISTURE METER MODELS

MODEL MIP / 501
With NiMH rechargeable battery.
- Dimensions: 80 x 145 x 37 & 28 mm
- Weight: 1.5 kg

MODEL MIP / 502
With selector switch to measure moisture content of 4 nos. basic fibre
- Cotton
- Wool
- Viscose
- Polyester
- With NiMH rechargeable battery.
- Dimensions: 100 x 180 x 40 mm
- Weight: 2.5 kg

INTERCHANGEABLE PROBES

- 2, 4 or 6 needles
  - 10 mm long: Spinning packages
  - 2, 4 or 6 needles
  - 25 mm long: Spinning packages
  - 2, 4 or 6 needles
  - 100 mm long: Cones
  - 2 prongs
  - 150 mm long: Bales
  - 2 prongs
  - 300 mm long: Bales (Hard)
- Flat type electrodes
  - Free running Roller: Warps & fabric roller

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