

## PROFESSIONAL MOISTURE METERS FOR WOOD & BUILDING MATERIALS

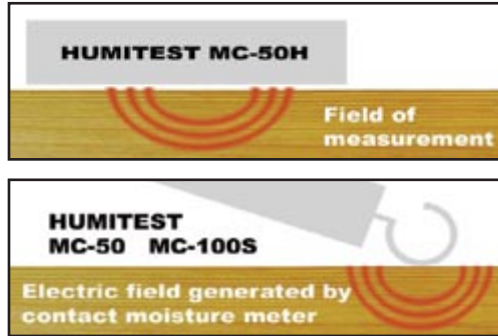
### FEATURES:

- Pin-less & non-destructive: Capacitance measurement using a high frequency dielectric field
- Could be used on different materials as wood, concrete, cement wash floor, brick, plaster, gypsum board, clinker and clay floor tiles, sandstone, marble, etc.
- Select from 6 wood groups (about 230 species) or 5 building material groups
- Moisture detection down to depth of approx. 50 mm
- Low battery warning & Auto power off
- Impact resistant ABS housing
- Complete with 9V battery and carrying case
- MC-100S: 0 to 98% Relative humidity calculation for building materials
- MC-100S: 32 memory locations for measurement storage

### Indispensable for:

- Woodworkers
- Cabinet and furniture makers
- Flooring installers
- Contractors and quality assurance inspectors
- Anyone who needs a professional quality tool to inspect wood and building materials for accurate moisture content or relative humidity.

### METHOD OF MEASUREMENT



The Humitest series are working on high frequency according to the contact measurement procedure.

A high frequency electrical field penetrates the material to be measured and produces a signal, which is related to the moisture content. The signal is evaluated by the microprocessor and the zero point is corrected. Then the correct material group is selected, the moisture content is determined and displayed at once.



### HUMITEST MC-50, MC-50H, MC-100S

The Exotek Humitest series is a new generation of microprocessor controlled, pocket size handheld moisture meters. For quick and accurate non-destructive determination of the moisture content in wood and building materials (concrete, cement wash floor, brick, plaster, gypsum board, clinker and clay floor tiles, sandstone, marble, etc.) as well as locating wet areas in floors, roofs and walls made of homogeneous material.

The series includes several types of capacitance moisture meters, MC-50, MC-50H and MC-100S.

It works on the principle of measuring the dielectric constant. The field penetration depth is approximately 50 mm. It can be used under outdoor and indoor conditions.

Choice of material code makes measurements more accurate. There are 6 selectable material codes for wood and 5 groups for building materials.

In many cases, relative humidity (RH) is a more appropriate term. For this reason, the MC-100S is programmed to calculate the RH value from the moisture content value for building material.



TECHNICAL SPECIFICATION	HUMITEST MC-50	HUMITEST MC-50H	HUMITEST MC-100S
<b>MEASURING RANGE - WOOD</b>	0-85% H <sub>2</sub> O	0-75% H <sub>2</sub> O	0-85% H <sub>2</sub> O
<b>MEASURING RANGE - BUILDING MATERIAL</b>	0-16% H <sub>2</sub> O	0-16% H <sub>2</sub> O	0-16% H <sub>2</sub> O
<b>RH FOR BUILDING MATERIAL</b>	No	No	0-98% RH
<b>SCANNING DEPTH APPROX.</b>	50 mm	50 mm	50 mm
<b>HOLD FUNCTION</b>	No	Yes	Yes
<b>AUTOMATIC SWITCH OFF</b>	Yes	Yes	Yes
<b>LOW BATTERY WARNING</b>	Yes	Yes	Yes
<b>DATA STORAGE</b>	No	No	32 memory locations
<b>OPERATING TEMPERATURE</b>	-10°C/+60°C	-10°C/+60°C	-10°C/+60°C
<b>DISPLAY</b>	LCD digital	LCD digital	LCD digital
<b>RESOLUTION</b>	0,1%	0,1%	0,1%
<b>HOUSING MATERIAL</b>	ABS	ABS	ABS
<b>SENSOR TYPE</b>	Chrome plated steel	Built in sensor	Chrome plated steel
<b>POWER SUPPLY</b>	9V alkaline battery	9V alkaline battery	9V alkaline battery
<b>CARRYING CASE</b>	Artificial leather	Artificial leather	Artificial leather
<b>DIMENSIONS (H X W X D)</b>	150 x 60 x 25 mm	150 x 60 x 25 mm	150 x 60 x 25 mm
<b>WEIGHT (INCL. BATTERY)</b>	160 g	160 g	160 g
<b>WARRANTY</b>	1 year	1 year	1 year



WOOD FLOOR



CONCRETE