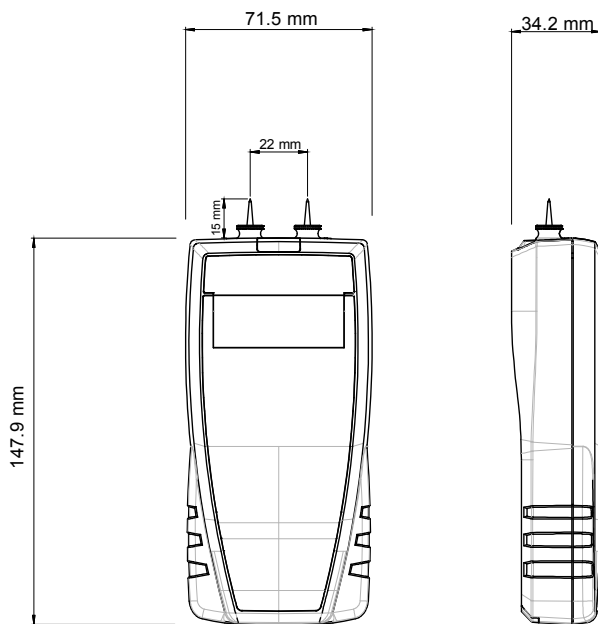


Pin moisture meter HM 50

KEY POINTS

- Easy to use
- HOLD function
- Compatible with 4 types of materials: wood type 1, wood type 2, plaster and brick/concrete
- Auto shut-off : 20 minutes

FEATURES OF THE HOUSING



Material : ABS

Protection : IP54

Display : 1 line
LCD 1 x 5 digits.
Size : 50 x 20 mm

Height of digits :
Values : 9.2 mm
Units : 4.7 mm

Weight : 200 g (with batteries)



TECHNICAL FEATURES

Number	Material	Detail	Measuring range	Accuracy*
M1	Wood type 1	Birch, Beech, Spruce, Larch, Walnut, Cherry	From 10 to 90 %	± 1 %
M2	Wood type 2	Oak, Pine, Maple, Ash, Pin Douglas	From 9 to 90 %	± 1 %
M3	Plaster		From 0.1 to 15 %	± 1 %
M4	Brick et concrete		From 0.1 to 15 %	± 1 %

Operating temperature	From 0 to +50 °C
Storage temperature	From -20 to +80 °C
Power supply	4 batteries AAA LR03 1.5 V
Battery life	180 hours
Conformity	Directives CEM 2004/108/CE and NF EN 61010-1

SUPPLIED WITH

Instruments are supplied with an adjustment certificate, 2 probes sets, a soft case and a protection cap.



ACCESSORIES

- Adjustment certificate
- Soft case
- Magnetic protective housing
- Probes set



MAINTENANCE

We carry out calibration, adjustment and maintenance of your instruments to guarantee a constant level of quality of your measurements. As part of Quality Assurance Standards, we recommend you to carry out a yearly checking.

GUARANTEE

Instruments have 1-year guarantee for any manufacturing defect (return to our After-Sales Service required for appraisal).

USE OF THE INSTRUMENT

Take a measurement

- > Switch on the instrument by pressing on **"On/Off/Hold"**.
The instrument displays its name "HM50".
- > Press briefly on **"Select"** to move of material.
- > Press the spikes in the material to be measured.
- > Read the value.

When a measurement is over-range, above the maximum range, the value flashes. Below the minimum range, the value is no more measurable and the device indicates "---", it means that for :

- Wood type 1 : the measurement is < than 10%
- Wood type 2 : the measurement is < than 9%
- Plaster, brick and concrete : the measurement is < than 0,1%

Hold the measurement

During measurement:

- > Press briefly on **"On/Off/Hold"** to hold measurement.
"Hold" appears on the screen and the humidity measurement is fixed.
- > Press briefly on **"Select"** to move from one parameter to the other.
- > Press again briefly on **"On/Off/Hold"** to exit the Hold function.

Perform a self-test

- > Turn the instrument on.
- > Remove the cap.
- > Turn the cap.
- > Press the 2 pins of the instrument into the contact plugs of the cap.
- > Press **OK** key to select the type of material to verify.
- > Read the value indicated by the instrument.
 - If the indicated value matches with the given value in the table below, the instrument runs properly.
 - If the indicated value does not match with the given value in the table below, clean the tips and make another self-test. If the value is always wrong, change the pins. If not working, contact the after sales service.



Resistance	Material			
	Wood type 1	Wood type 2	Plaster	Brick and concrete
1 MΩ	30.8 % ± 1%	27.5 % ± 1%	4.6 % ± 1%	5.2 % ± 1%

How to change batteries : Remove the front part at the back of the instrument. Replace used batteries by new batteries AAA LR03 1.5 V

Auto-extinction : the instrument switches off if not used during 20 minutes.

MATERIALS HUMIDITY

Wood

Moisture content	State of the wood
< 15 %	Dry
From 15 to 30 %	Moist
> 30 %	High moisture

Plaster

Moisture content	State of the plaster
< 2 %	Dry
From 2 to 4 %	Moist
> 4 %	High moisture

Brick and Concrete

Moisture content	State of the brick/concrete
< 2 %	Dry
From 2 to 4 %	Moist
> 4 %	High moisture



Once returned to KIMO, required waste collection will be assured in the respect of the environment in accordance to 2002/96/CE guidelines relating to WEEE.

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