

Operating Instructions for Digital Moisture Meter



- 1 Insert the battery (9 Volt).
- 2 Push the slide switch on the left-hand side of the device forwards in order to switch on the indicator. The device switches off automatically after approximately 5 minutes. Before switching on again, the slide-switch has to be put in the "off" position first. In the open air the indicator will indicate a value of around 0. When the display indicates "BAT LOW", the battery should be replaced.

- 3 Place the bottom of the indicator on a level part of the material to be investigated and push down gently for best results (see Fig. 1). For measuring moisture content in wood, the measurement should be made with the grain direction. A measurement made more or less transverse on the grain direction results in a lower indicator number. The direction of the unit is given by the "Floor Dot" logo on top of the unit - it needs to line-up with the grain direction.

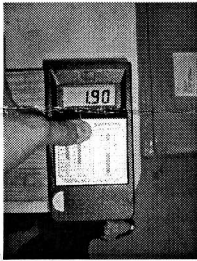


Fig. 1

- 4 Quick "functionality" check: turn device on and place sensor field on the inside of your forearm (on the skin) – device should read a number around 15.00.

Reading the Display

Transpose the number from the display to the colored-scale on top of the unit. "M" indicates the number from the display (!! Not the moisture content !!) and "%" represents the corresponding moisture content. The instrument will read to a depth of 1 1/4 ". The reading accuracy on the display is +/- 0.04.

IMPORTANT:

The instrument's sensor field reacts to metal the same way as it reacts to moisture. If the material to be investigated contains metal such as nails, metal reinforcement, or other metal objects (within the sensor field measuring area up to 1 1/4" deep), a higher than "usual" number will be displayed. Therefore, readings in several spots should be taken in order to evaluate fluctuations in numbers. If numbers above the "acceptable" range of moisture are read, further detailed investigation must be performed using other methods.

Typical Moisture Content:

Cement Floors	1.5 – 3% (3% is about 4 lbs/1,000 sqft)
Cement Floors w/ organic additives	6 – 8%
Gypcrete	less than 0.5%
Xylo-lite	8 – 12%

WOOD

Trees (in the forest)	200%
Dimensionally stable	> 30%
Range for installation	4 – 18%
Oak Flooring	6 – 9% (benchmark)

NOTE: detailed information on "Wood & Moisture" can be found in NWFAs Technical Manual A100 – available from the National Wood Flooring Association.

Extended Conversion Table for Wood:

Meter Reading	Relative % of moisture
2	4
2.5	8
3	12
3.5	16
4	20
5	22
6	24
7	26
8	27
9	28
10	29
11	30

Switching-Off

Push the slide switch up - the display goes blank. When the Moisture Meter is not used for an extended period of time, the battery should be removed.

General

The moisture meter has a one year warranty on manufacturer's defects.

Floor Dot Corp. does not accept any responsibility and liability for damage that may result from wrong or improper use of the moisture indicator. Protect the indicator from bright sunlight, heat, water, snow and ice.