

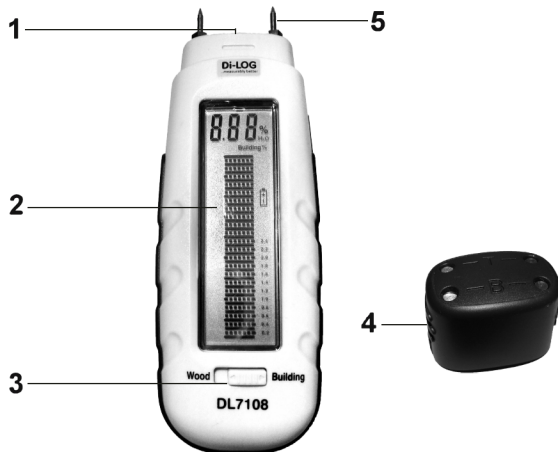
Moisture Meter

Instruction Manual

Moisture meter for wood and building material

Used to measure the moisture level in sawn timber (also cardboard, paper) and hardened materials (plaster, concrete and mortar). It displays the moisture level in the material straightaway.

Description



- 1: Power (on/off) switch
- 2: Digital & Analogue LCD Display
- 3: Wood / building selectable switch
- 4: Protective cap
- 5: Test electrode

Technical data

Measuring principle:	Electrical resistance
Electrode length:	8 mm
Electrodes:	Integrated, replaceable
Measuring range:	Wood: 1-45 % Building material: 0.1- 2.4
Resolution :	% Wood: ±1 % Material: ±0.1
Accuracy:	% ±3. 0%RH
Auto power OFF	After approx. 15 minutes
Battery:	3 X Cr 2032, replaceable
Housing material:	Impact-proof plastic
Ambient temperature:	housing 0 - 40° C
Ambient Relative humidity:	0-85 %RH
Dimensions:	139X47X25 mm
Weight:	approximately 100g
Warranty:	1 year

Maintenance

- Always keep instrument dry.
- Prevent dirt from getting in between the measuring electrodes
- Changing the electrodes:
Unscrew the 5 screws at the back of the instruments.
Remove housing lid. Unscrew all 5 screws on the electronic

plate. Replace electrodes. Close instrument again.

Function check

“O-----T-----O”

Connect electrodes with T contacts to the protective cap.

Reference display for wood: 27%±2%

Reference display for building material: 1.3%±0.1%

“O.....B.....O”

Connect electrodes with B contacts to the protective cap.

Reference display for wood: 44%±2%

Reference display for building material: 2.1%±0.1%

Function error: Send instrument for servicing.

Application

- Remove the cap from the top side and place on the bottom side. Push the wood/building switch to the left side during wood measurement, and building material measurement, push it to the right side.
- Press the measuring electrodes as far as possible into the material.
- Always measure the moisture in the wood perpendicular to the fibre structure
- Repeated measuring yields representative measured data.
- Once the measurement is finished, reattach the cap on the top side and the instrument switches itself off.

Display

The reading is shown in the form of data and bar graph:

———— a continuous line

= even values e.g. 1, 3, 5,7,9

- - - - - dotted line

= uneven values e.g. 0.2, 0.4, 0.6, 0.8, 1.0

Overflow: reading > 45%/4.5%


Reference bar display has to full.

When the digital reading > 60%/6.0%, the LCD will display "OL" **Please note;** Characteristics due to growth or type of wood and deviating wood temperatures may make it necessary to correct the displayed values. Measurements should be carried out according to the drying and weighing/calcium carbide method in the case of inspections or for reference purposes.

Automatic Power OFF

In order to conserve battery life, the meter will automatically turn off after approximately 15 minutes. To press and restoration the power switches the meter display is on.

Changing the battery

When the batteries become exhausted or drop below the operating voltage, the battery warning “” symbol will appear in the LCD display. The battery should be replaced. Unscrew the 1 screws at the back of the instrument. Remove the battery housing. Change battery. **Observe polarization!** Reconnect instrument.

