

# CAISSON

Measuring equipment

## VI-D1 Concrete and wood moisture meter

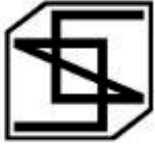
### TECHNICAL DETAILS

- The device is used to measure the moisture content of wood and building materials.
- Non destructive measurement.
- Graphic display, illuminated background.
- The indicator measuring the battery.
- Measurement sensor on the bottom.
- Measurement depth 3 cm.
- Professional plastic protective packaging.

### INSTRUCTIONS

1. Remove CAISSON indicator from the case.
2. Open the battery holder and insert the battery (9 Volt). Close the holder.
3. Push the slide switch on the lefthand side of the device forwards in order to switch on the indicator. The device switches off automatically after 10 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 0.3. When the display indicates „BAT LOW“, the battery should be replced.
4. Place the front side of the indicator on a level part of the material to be investigated. For wood the measurement should be made in the grain direction, as a measurement made more or less transverse on the grain direction gives a lower indicator. The measurementdirection is formed by the brand name CAISSON (Coinciding with the grain direction).





## INDICATIONS

In general the read-out should be interpreted as follows:

CONCRETE/ ESTRICH:	
0-5	<b>DRY</b>
6-9	<b>MOIST:</b> normal degree of moisture
10 and higher	<b>WET:</b> too moist for further treatment. We recommend that you should wait for the normal moisture level.

The CAISSON indicator gives an indication of the moisture present in concrete or Estrich up to about 3 cm deep.

The CAISSON indicator gives an indication of the moisture present in any species of coniferous or deciduous tree up to about 3 cm deep.

## SWITCHING-OFF

Push the slide switch backwards. The display extinguishes.

## GENERAL

The indicator reacts to metal in the same way as it does to moisture. If in the material to be investigated there is, for example, a nail, reinforcement or other metal object within the radiation range, the indicator gives a too-high result. The same applies to Estrich-sand with metal components. A correct indication is therefore impossible.

When the CAISSON indicator is not used for a prolonged period of time, we recommend that you should remove the battery.

WOOD:	
0-12%	<b>DRY:</b> you can apply the final varnish layer
12-20%	<b>AIR DRY:</b> a finishing coat can only be applied with painting systems that tolerate a base moisture content up to about 20%
20-30%	<b>WIND DRY:</b> treatment can only take place with good moisture-permeable media. When applying a number of coats, we recommend that you should wait for a drying time or a decrease in the result of the device up to 4%
30% und höher	<b>WET:</b> treatment is in principle only possible with a painting system that is suitable for wet wood

The CAISSON indicator is not a MEASURING INSTRUMENT and cannot and may not be used as such!

We do not accept any responsibility for damage that may result from wrong or improper use, or from interpreting the indicator as a measuring instrument. Protect the indicator from bright sunlight, heat, water, snow or ice.



## WARRANTY

Notwithstanding the statutory warranty claims, CAISSON provides a warranty in accordance with the laws of the Customer's country for a period of at least two years from the date of sale of the device to the end user. The warranty covers only those faults which are caused by defects in material or workmanship. A warranty claim must be accompanied by a proof of purchase with the date of sale specified.

Warranty repairs shall be performed only by an authorized distributor of CAISSON. The following are excluded from the warranty:

- misuse,
- use of force, damage caused by external factors or foreign bodies such as sand or water,
- damage caused by failure to comply with the instructions for use,
- normal wear and tear.

The warranty also excludes devices that are partially or entirely disassembled.

## SPECIFICATIONS

Power supply	Batteries, 9 Volt, 6F22
Current consumption	70 mA
Dimensions	50 mm x 80 mm x 33 mm
Weight	0,40 kg
Display	graphic, monochrome 128 x 64 pixels; size 49 x 23 mm with back- ground lighting
Operating conditions	5°C - 40°C
Measuring depth	±3 cm

Further products can be found on the Internet at:  
[www.caisson-gmbh.de](http://www.caisson-gmbh.de)



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