



CAISSON

Measuring equipment

VI-D3 Moisture Meter for RV

INTRODUCTION

- Specific suitable for measurement in mobile homes and GRP shiphull
- Non destructive measurement

TECHNICAL DETAILS

- The indicator measuring the battery
- Last measurement memory
- Measurement sensor in front
- Measurement depth 3 cm
- Display: Graphic display, illuminated background
- HOLD function
- Professional plastic protective packaging



INSTRUCTONS

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 left-hand 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 replaced.

4. Place the front side of the indicator on a level part of the material to be investigated.

The measurement direction is formed by the brand name CAISSON (coinciding with the grain direction.) A red indicator will light up in case of measurements above 5.5 on the digital display.

CARAVAN INSPECTION

It is advisable to inspect your caravan for moisture once or twice per year. The VI-D3 is very well suited to assist you with this task. Since electromagnetic waves go right through the materials, whether through plastic or laminated wood, measurements are done non-destructively. They should be done on the caravan's inside in places such as corners around doors, windows and edges where leakages are most likely to occur. The results that are displayed had better be written down in a list with a remark where a particular measurement was taken. (Tip: use little markers with numbers.)

Please bear in mind that the measurement results are shown on the Caisson 15 Scale, which, because of the variety of materials, is a relative scale and doesn't represent percentages. With each inspection compare the new values with the old ones: should there be any significant change, it could imply a moisture problem, in which case you might want to contact a specialist.

Readings can generally be interpreted as follows:

2,5 till 3,0 is a normal indication for a dry material:

3,0 till 5,5 means that there can be some metal construction behind the wall that influences the measurement; this is normal and such readings should remain constant.

5,5 and higher could be a normal reading depending on the type of caravan; such readings should remain constant. In case they do not over a longer time, there is a high probability that moisture has set in, and so such places should have your special attention.

It is important to know the construction of your caravan well and have some understanding of the device and measurement principles to make correct assumptions.

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 in ± 15 seconds (see 'HOLD').

HOLD

When you slide the switch in the 'off'- position the display will blink for ± 15 seconds before switching off. During this time the display will indicate and hold the highest reading. This function can be used to perform measurements in hard to reach places.

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.

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

Measurement	
Measurement method	measurement sensor at frontside Measurement depth 3cm
Current consumption	59 mA
Technical	
Display	monochromatic with backlight, Resoluton 128x64 Pixel Baterry status indication
Operating temperature	from 5°C- up to 40°C
Power supply	battery, 9 Volt, 6F22
Packaking	plastic case
Weight	200g
Dimensions (LxWxH)	147mm x89mm x33mm

Weitere Produkte finden Sie im Internet unter: www.caisson-gmbh.de