Operating Instructions

GANN HYDROMETTE COMPACT B

General Information

The Hydromette COMPACT B is an electronic dampness indicator with a patented measuring process working on the principle of high frequency measurement.

The device is used for non-destructively tracing dampness in building materials of all kinds as well as for detecting damp distribution in walls, ceilings and floors.

The device is particularly suitable for pre-testing the readiness of building materials for covering prior to CM measurement.

Measuring Range: 0 – 100 digits

The magnitude of the value measured is mainly determined by the raw density and the water content of the material. The depth of penetration of the measuring field, depending on raw density, is ca. 20 – 40 mm.

Adjustment

The device is calibrated fully electronically and readjustment is not necessary.

Battery

Transistor block battery 9V. Type IEC 6 F 22 or IEC 6 LF 22.

Changing the Battery

The battery requires changing when two decimal points are shown in the display (e.g. 1.8.8). Loosen the two cross-headed screws on the upper side of the device and carefully remove the cover in an upward direction. Change the battery and refit the cover.

Safety Advice

There is a danger of injury if the metal ball comes into contact with live parts. Do not use the device in the immediate vicinity of older equipment or equipment equally sensitive to high frequencies (e.g. functioning medicinal devices). Use the device only for measuring the dampness in hardened building materials by bringing the ball into contact with the surface.

Check

Hold the device as near to the lower part of the housing, opposite to the ball sensor, as possible. Press the start button and hold the device with the ball in the air. The displayed value must vary between –5 and +5.

Operation

Hold the device as near to the lower part of the housing, opposite to the ball sensor, as possible. Press the start button and use the ball to scan the surface under investigation. The ball must be in firm contact with the material. To obtain the best results, the device should be held at an angle of 90° to the surface to be measured.

Please note:

Do not take measurements on metallic linings!

In corners or recessed areas a distance of ca. 8 – 10 cm from the edge / recess must be maintained.

If there is any metal in the substructure (constructional steel, channels, pipes, plaster rails, etc.) and with normal coverings, the display jumps to ca. 50 digits for otherwise dry surroundings.

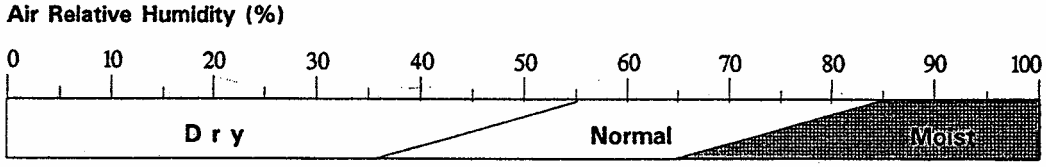
It is only possible to reach a conclusion about the absolute dampness in wt.-% or the dampness in CM-% if the normal drying out process has taken place (e.g. not during or shortly after the use of drying agents or heat guns). If there is not a roughly normal variation in dampness between the surface and the interior, too low a measured value may be indicated.

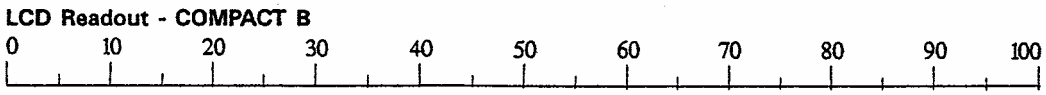
The raw density of the material being measured has a noticeable affect. Basically, the value displayed with dry and damp building materials increases correspondingly with increasing raw density.

The values given in the table below are indicative and non-binding. Please bear in mind, when evaluating the measured value displayed on the GANN HYDROMETTE COMPACT B with respect to the material, that it is not a dampness measurement qualified to VOB or the relevant specialist regulations.

All information and tables in these operating instructions concerning permissible or common dampness conditions in practice as well as the general definition of terms are taken from the technical literature. The manufacturer of the device can thus not give any guarantee for the correctness of this information. The conclusions to be drawn from the results of measurements by each user depend upon the individual circumstances and his experience gained from professional practice.

Table of Comparison Air Relative Humidity · Structural Moisture





Gypsum+anhydrite based constr.mat./flooring - Wt./CM-%	0.3	0.5	1,4	2.0	2.3	2.7	%
Cement based constr.mat. and flooring in CM-%		1,5	2,1	3.0	3.5	4.0	CM-%
Cement based constr.mat. and flooring - in weight-%		2,7	3,6	4.5	5.5	6.0	Wt.-%

CM % = percentage value by carbide method