

Resistive material moisture measuring device

Product information

GMR 110

02/2013

with integrated measuring needles

Features

- new characteristic curves
- automatic temperature compensation
- comfortable rating display

Application

measuring device for fast evaluation of material moisture in

- firewood, timber,
- flake board, inlay,
- plaster, cement
- and lots more

Compact and robust measuring device for fast evaluation of material moisture in firewood, timber, flake board, inlay, plaster, cement and lots more. A suitable characteristic is selected with help of material table on the rear side of the device before measuring. The material is contacted by pressing the measuring needles into it. The measured value is displayed only a short time afterwards. The device is especially designed for precise firewood and timber measurements, however, a lot of additional building materials can be rated.





suitable characteristic

measured value
display %
material moisture u
water content w

Moisture rating via bar
graph

hold-function

Material tables on rear side of device

3 wood groups:

h.01 spruce, pine

h.02 maple, birch, beech, larch (EUR),
ash (EUR), fir

h.03 oak, ash (AM), poplar, douglas fir

a lot of additional wood types can be determined with the table of the instruction manual

8 building material curves:

c.01 cement screed, concrete

c.02 anhydrite screed

c.03 plaster, lime mortar

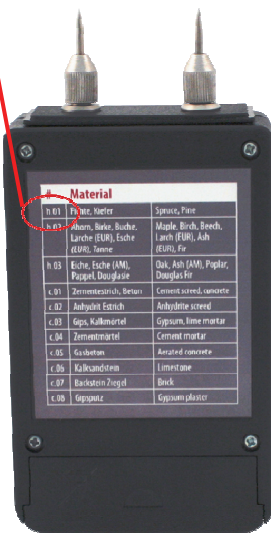
c.04 cement mortar

c.05 gas concrete

c.06 lime sand brick

c.07 clay brick

c.08 gypsum plaster



Specifications

Measuring principle: resistive material moisture measurement acc. to DIN EN 13183

Measuring range: 0,0 bis 100 % material moisture (depends on selected characteristics)

Moisture rating: in 6 steps (wet ... dry)

Resolution: 0,1% (< 20 %), 1 % (> 20 %)

Accuracy:
wood: $\pm 0,2$ % material moisture
(Deviation to wood characteristic curve in range 6 ... 20%)
building materials: $\pm 0,2$ % material moisture
(Deviation to corresponding characteristic curve)

Measuring probe: 2 needle holder M6x0.75 with 19 mm measuring needles
(12 mm usable length)

Working temperature: -5 ... 50 °C (material not frozen)

Working humidity: 0 ... 95 % RH (non condensing)

Features: hold, auto-hold, auto-power-off

Scope of supply: device, 2 needle protection caps, battery, operation manual