

RESISTIVE MATERIAL-MOISTURE MEASURING DEVICE



AUTOHOLD

AUTOOFF

HOLD

COMFORTABLE CHARACTERISTIC
CURVE- AND RATED DISPLAYAUTOMATIC TEMPERATURE
COMPENSATION

rear side of device

HIGHLIGHTS:

- Material tables on rear side of device
- Integrated, exchangeable measuring needles
- Moisture rating (wet/dry) via bar graph
- Display of material moisture or water content
- Integrated temperature compensation
- Characteristic curve display

GMR 110

Art. no. 600101

Resistive material moisture measuring device with integrated probes

General:

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.

Specifications:

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

Characteristic curves: 3 different wood groups (h.01, h.02, h.03) for a total of 130 wood types and 8 different building material curves (c.01, c.02, c.03, c.04, c.05, c.06, c.07, c.08)

Measuring range: 0.0 ... 100 % material moisture (depends on selected characteristics)

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

Resolution: 0.1 % (<20 %), 1 % (>20 %)

Accuracy: (at nominal temperature = 25 °C)

Wood: ±0.2 % material moisture (Deviation to wood characteristic curve in range 6 ... 20 %)

Building materials: ±0.2 % material moisture (Deviation to corresponding characteristic curve)

Temperature compensation: automatically or manual

Measuring probe: 2 needle holder M6 x 0.75 with 19 mm measuring needles (12 mm usable length)

Perm. working temperature: -5 ... +50 °C (not frozen)

Storage temperature: -25 ... +70 °C

Relative humidity: 0 ... 95 % RH (non-condensing)

Display: 2 LCD displays for characteristic and measuring value

Power supply: 9V battery

Battery life: approx. 170 h

Housing: Impact-resistant ABS plastic housing, membrane keyboard, transparent panel

Dimensions: 110 x 67 x 30 mm + needles 26 mm

Weight: approx. 155 g

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

Characteristic curves:

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

Accessories and spare parts:

GST 3810

Art. no. 601392

Replacement pins (10 pieces) for GMH 3810 / GMR 110

GMK 3810

Art. no. 603070

1 m connection cable with 2 x banana plugs and 2 adapters. Allows connection of accessories (except GSF38..., GTF38 and GES38) on GMH3810 / GMR110.

additional special accessories at page 48.



GB 9 V

Art. no. 601115

Spare battery 9V, type IEC 6F22

GKK 252

Art. no. 601056

Case (235 x 185 x 48 mm) with foam lining