

Material moisture measurement for boats and caravans

Product information

GMK 210

04/2012

Detect moisture - avoid damage early on

Application

- Use search mode to find moist spots
- Measure and evaluate moist spots in GRP, wood and insulating materials during
 - surface treatment
 - application of paint or coatings
- Condition and damage evaluation
- Observation of drying processes
- Inspection to determine success of the applied measures
- Simple status inspection for evaluators and experts

Features

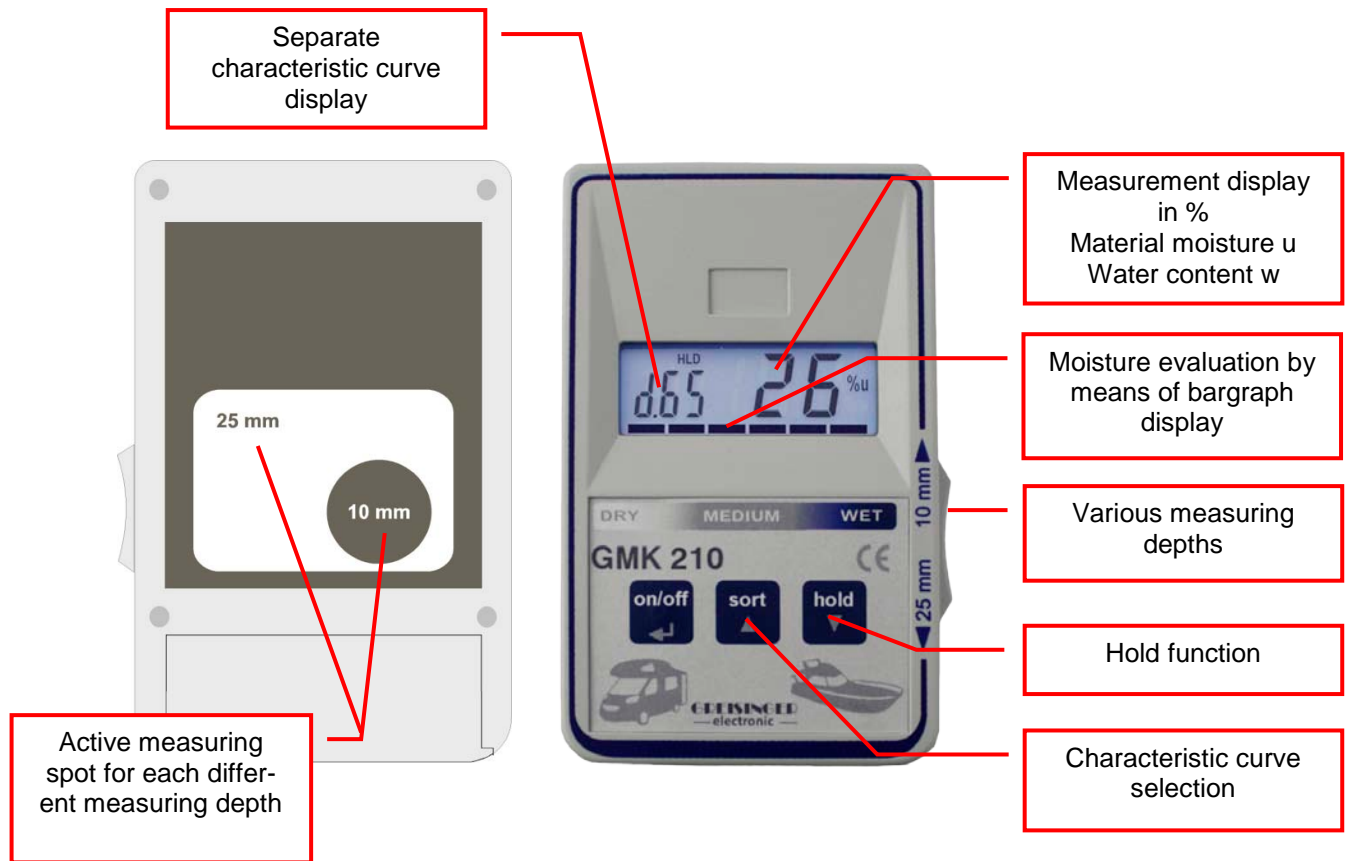
- Non-destructive measurement method
- Moisture display as a percent
- Acoustic and visual moisture evaluation
- Special characteristic curves for wood and GRP
- Two different measuring depths
- Search mode
- Backlighting



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General

The GMK 210 is a capacitive material moisture measuring device with special GRP characteristic curve. It is, thus, an indispensable tool for the early detection and prevention of moisture damages in caravans, camper vans and motor homes, boats, etc. Moisture is measured and evaluated by means of a measuring surface located on the rear of the device. In addition to a search mode for finding problem areas, the device also features two adjustable measuring depths (10 mm and 25 mm), thereby facilitating measurements on parts of wooden frameworks and insulation, e.g., to maintain guarantees of watertightness.

To measure, the device is simply placed on the material. The material that is to be measured is neither destroyed nor damaged in the process.

Integrated characteristic curves are included for wood of various densities (from 450–1000 g/m³), GRP, lightweight insulating materials such as Styrofoam, and, in addition, a reference characteristic curve.

Measuring depth

The measurement is performed by means of a measuring surface located on the rear of the device. A switch located on the side of the device can be used to change the measuring depth. By using measurements from various measuring depths, it is possible to draw conclusions as to whether the material is already dried out or if the moisture is present only at the surface.

Moisture evaluation

In addition to the measurement value, a moisture evaluation is displayed: for most applications, the troublesome work of referring to the literature and tables to decide whether the material is "wet", "dry" or somewhere in between is thereby eliminated. In addition to the moisture evaluation by means of a bargraph display, an acoustic moisture evaluation is also integrated. The display is to be considered a guide value; the final assessment is dependent on, among other things, the material's field of application.

Technical data

Measurement ranges	Water content (w): 0.0 ... 50% (wood) Material moisture (u): 0.0 ... 100% (wood)
Moisture evaluation	6-level bargraph display (wet ... dry)
Measuring depths	10 mm / 25 mm
Power supply	9 V battery (included in delivery contents)
Features	Backlighting, acoustic and visual moisture evaluation, hold function, auto-off function