

BM22WP Material moisture measuring device controlled via smartphone

The BM22WP is an electronic moisture indicator by use of which one can quickly and easily detect near-surface moisture in different materials. The easily exchangeable steel insertion measuring pins of the BM22WP enable a solid connection to the test material and ensure quick measuring results for the wood moisture measurement of sawn timber and firewood or the material moisture measurement in soft building materials such as gypsum, plaster or screed.

Combining the appSensor and the appertaining, free MultiMeasure Mobile app offers valuable and practical advantages for the user such as elaborate graphic representations e.g. a humidity matrix visualisation. In terms of flexibility, analysis functions, data control and documentation the appSensor offers considerably more functions than other moisture measuring devices. The minimum, maximum and average values for the determined material moisture parameters can be displayed fully automatically when transferred to the app.

Compare the humidity measurements created at different points in time or use the measured values for differentiated on-site analyses. Useful additional features as the alarm function, the export of measured humidity values to a secondary analysis software as well as the report generation function complete the universal application possibilities of the BM22WP.



A few practical benefits

- Development, design, production: 100 % Trotec
- Wood and material moisture measurement with one device
- High-quality sensor technology and numerous measuring functions
- Intelligent combination of appSensor and The MultiMeasure Mobile app
- Incl. protective cap with integrated testing function
- Logging function
- Chart representation of measurement data
- Report generation
- Easily changeable steel insertion measuring pins
- Automatic testing of functions and battery
- Alarm function
- Automatic switch-off
- Variety of further measuring and analysis functions
- Practice-optimized German industrial design – protected design patent



Technical data

Article number	3.510.206.025	
Measuring principle	Resistance measuring method	
Electrode length	approx. 8 mm	
Electrodes	Replaceable	
Wood moisture	Measuring range	6 % up to 50 %
	Accuracy	approx. ±2 %
	Resolution	1 %
Building moisture	Measuring range	approx. 0.2 % up to 2.4 %
	Accuracy	approx. ±0.2 %
	Resolution	0.05 %
Surrounding conditions	-20 °C up to 60 °C (at < 80 %)	
Functions	Battery status indication, Minimum value display, Maximum value display, Average value display, Hold function, Automatic switch-off, Alarm function, Long-term measurement function, Representation of measurement data as chart, matrix or table, Data export, Report generation function	
Data interface	Bluetooth 4.0	
Power supply	3 x 1.5 V, AAA	
Dimensions	22 mm x 33 mm x 140 mm	
Weight	103 g	
Scope of delivery	Measuring device, Battery(-ies), Wrist strap, Operating manual	