Handheld Microwave Moisture Measuring System

M O I S T 2 1 0 B

Description

Handheld Moisture Measuring System for non-destructive moisture measurement in civil engineering.

The system consists of a microcontroller based handheld, two robust microwave sensing heads for moisture measurements in the volume (MOIST P) and in the surface area (MOIST R) of material under test and the software MOISTANALYZE for data interchange and graphical data processing.

The material-specific calibration allows exact and reproducible moisture measurements under difficult circumstances. The interactive operation of the meter simplifies the moisture measurement extremely. Up to 2000 measured moisture values can be saved in the meter and processed easily by MOISTANALYZE as a table or a graphic.

Fields of Application:

Wood
Building Materials, Walls
Gypsum Floor, Cement Floor
Concrete (as specific calibration)
Insulation materials
Other Materials customer-specific

Leakage Detection
Moisture Mapping in different depth layers

Moisture Range:	0 %< F< 400 % (dry basis), 0 %< F< 80 % (wet basis)
Accuracy:	1 … 2 % achievable, material-specific
Penetration Depth:	Material-specific MOIST P up to 20 - 30cm
	MOIST R up to 2 - 3 cm
Temperature Range:	5 … 50 ° C

Technical Data:

Power:	4 x 1,2 V (AA-NiMH-accumulators) or 4 x1,5 V (AA-batteries)
Operation:	> 72 hours in stand by mode
Dimensions:	Handheld 195 x 95 x 40 mm 500 g
	Sensing heads 130 x 50 mm 250 g
Interface:	USB
Special Features:	Acoustical Key Acknowledgment, Highlighted Display

Specification:

Components of delivery:	Microcontroller based handheld MOIST 210
	MOIST P for volume moisture measurements
	MOIST R for surface moisture measurement
	USB Interface cable
	Software MOISTANALYZE
	Carrying case, Battery charging circuitry, Power supply
Options:	Temperature measurement with IR sensor MOISTIR
	Humidity measurement with sensor MOIST RH

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