



Handheld Microwave Moisture Measuring System

MOIST 250 B

Description

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

The microcontroller based device works with the robust microwave sensors of MOIST xM-series with different penetration depths, manufactured according to industrial precision standard. The sensor calibration is carried out in accordance to the WTA rules.

By menu-guided operation, the moisture measurement is quick and easy to perform. Up to 1 million measured values can be saved in up to 1,000 measuring fields in the measurement device. The evaluation of the measurement results is carried out by software MOISTANALYZE as graphic or table. Statistical parameters support its assessment.

Fields of Application:

Materials: Wood, Building Materials, Walls
Gypsum Floor, Cement Floor
Concrete (as specific calibration)
Insulation materials
Calibration according to WTA rules
Other Materials customer-specific

Leakage Detection
Moisture Mapping in different depth layers

Moisture Range: $0\% < F < 80\%$ (wet base), $0\% < F < 400\%$ (dry base)
Accuracy: 1 ... 2 % achievable, material-specific
Penetration Depth: Material-specific
MOIST PM up to 20 - 30cm
MOIST R1M up to 2 - 3 cm

Temperature Range: 5 ... 50 ° C

Technical Data:

Power: 4 x 1,2 V (AA-NiMH-accumulators)
Operation: 8 hours standby or 4 hours of continuous measurement
Memory organization: < 1 Mio. Readings continuously numbered or < 1 Mio. readings in max. 1000 measuring arrays of arbitrary size

Dimensions: Handheld 195 x 95 x 40 mm 500 g
Sensing heads 130 x 50 mm 250 g

Interface: USB
Display: TFT, 320 x 240, monochrome

Specification:

Components of delivery: Microcontroller based handheld MOIST 250 with highlighted 3,5" graphical display
Microwave sensor MOIST PM for volume moisture measurement
Microwave sensor MOIST R1M for surface moisture measurement
USB interface cable
Software MOISTANALYZE 3.2x
Integrated charging circuitry, power plug, carrying case

Options: Microwave sensors MOIST R2M, MOIST DM, MOIST SM
Microwave penetration applicator MOIST ENDO



Restore Solutions - 2022 reserves the right to make changes without any notice