



Microwave Sensing Head

MOIST P

Description

Microwave Sensing Head for Moisture Measurement in the Volume or kernel of samples.

The robust sensing head is used for moisture measurements in solids and bulk goods, where measurement volume of 10 to 15 liters is desired. MOIST P is a radiation applicator with penetration of the microwave up to 20 to 30 cm into the material.

The material-specific calibration allows exact and reproducible moisture measurements under difficult circumstances. The large measuring volume makes possible averaging over some kinds of material inhomogenities.

MOIST P can be combined either with the microcontroller based handhelds of the MOIST series or with the online control unit MOIST CONTROL 100. In online applications MOIST P is flange mounted.



Fields of Application:

Materials: Wood
Building Materials, Walls
Bulk Goods
Grain
Planar Materials
Other Materials on Request; Customer Specific

Moisture Range: 0% < Moisture < 400% dry basis, material-specific
Accuracy: 0.2 ... 0.5 % achievable, material-specific
Measuring Vol.: 10 ... 15 liters
Penetration Depth: Material Specific, up to 12" (30 cm)
Temperature Range: 32°F ... 158°F (0 ... 70°C)
Microwave Power: 0.1 mW

Technical Data:

Power: by handhelds MOIST 100, MOIST 200
Dimensions: 5.1" x 2" (130 x 50 mm) 8.8 oz (250 g)

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