



Microwave Sensing Head

MOIST D

Description

Microwave Sensing Head for Moisture Measurement in the middle material layers.

The robust sensing head is used for moisture measurements in solids and bulk goods, where measurement volume of maximum 2 l is desired. MOIST D is a stray field microwave applicator with penetration of the microwave up to 11 cm into the material.

The material-specific calibration allows exact and reproducible moisture measurements under difficult circumstances.

MOIST D can be combined with the microcontroller based handhelds of the MOIST series. In combination with other sensing heads of the MOIST series material investigation in different depth layers is possible.



Fields of application

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| Materials: | Wood Building materials, brickwork Plastics Foods Ceramic materials Other Materials on Request; Customer Specific |
| Moisture Range: | 0% < Moisture < 100% dry basis, material-specific 0% < Moisture < 50% wet basis, material-specific |
| Accuracy: | 0.2 ... 0.5 % achievable, material-specific |
| Measuring Volume: | max. 2l |
| Penetration Depth: | material-specific, up to 4.33" (11 cm) |
| Temperature Range: | 32°F...158°F (0....70°C) |
| Microwave Power: | 0.1 mW |

Technical Data:

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|-------------|--|
| 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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