



Microwave Sensing Head

MOIST R2

Description

Microwave Sensing Head for Moisture Measurement in the outer and medium layers of the material under test.

The robust sensing head is used for moisture measurements in solids and bulk goods, where measurement volume of 150 cm³ is desired. MOIST R2 is a stray field microwave applicator with penetration of the microwave up to 7 cm into the material.

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

MOIST R2 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:

Materials:	wood building materials, walls ceramics plastics and synthetics foods other materials on request (customer specific adaption and calibration)
Moisture range:	0% < Moisture < 100% dry basis, material-specific 0% < Moisture < 50% wet basis, material-specific
Accuracy:	0,1...0,5 % achievable, material-specific
Measuring volume:	150 cm ³
Penetration depth:	material-specific, up to 2.75"
Temperature range:	32°F...158°F(0...70°C)
Mikrowave 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)

hf sensor GmbH 06.05, hf sensor GmbH reserves the right to make changes without any notice