



## Microwave Sensing Head

## MOIST R2M

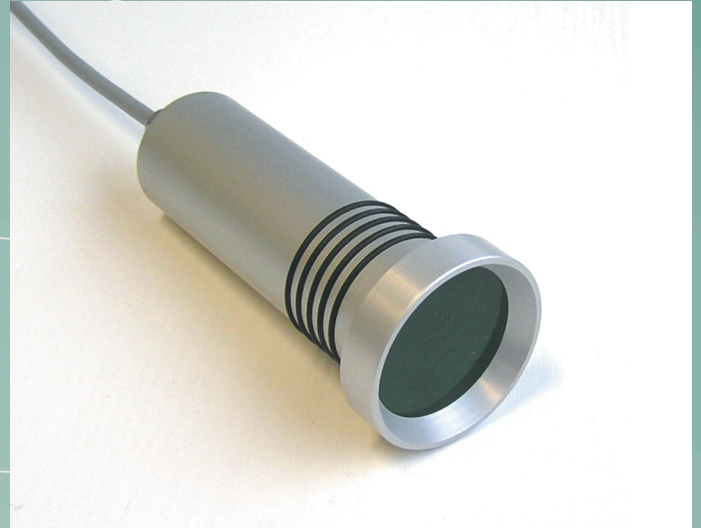
### Description

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 cm<sup>3</sup> is desired. MOIST R2M 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 R2M 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<sup>3</sup>

Penetration depth: material-specific, up to 2.75"

Temperature range: 41°F ... 122°F (5 ... 50°C)

Mikrowave power: 0.1 mW

### Technical Data:

Power: by handhelds MOIST 250 and MOIST 350

Dimensions: 5.1" x 2" (130 x 50 mm) 8.8 oz (250 g)