



Microwave penetration applicator

MOIST ENDO

Description

Microwave Sensing Head with endoscopic applicator.

The very sensitive unit is used for moisture measurement in several layers of a material. The interaction volume has a radius of about 3 cm. The active zone is 4 cm long. Depth resolution therefore is 2 cm minimum. Standard length of the device is 45 cm for the endoscopic rod. Non standard lengths to 100 cm are possible. The unit needs a borehole of 13 mm diameter and a guiding tube for use in walls and bulk materials.

Material specific calibration allows exact measurement of moisture in several layers.

By combination with the microcontroller based handheld of the MOIST series moisture measurements becomes very simple.



Applications

Materials:

walls
brick work
wood
rocks
soils*
bulk goods*
other materials customer specific

moisture range:

0% < F < 10% (material specific higher range possible)

accuracy:

material specific, depending on the reference procedures

radial field penetration:

material specific up to 4 cm

axial field penetration:

3 cm

temperature range:

10 ... 30°C

* under certain preconditions

Technical Data:

power supply:

by handheld MOIST 250 und MOIST 350

operation:

> 72 h in stand by mode

dimensions:

sensing head 150 x 50 mm

600 g

tube length 450 mm

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