



Mobile Microwave Scanner

MOIST SCAN

Description

Mobile microwave scanner for non-destructive moisture measurement on large areas with graphical visualisation of moisture distribution.

The scanner module is equipped with an embedded PC and can be combined with the robust microwave sensors of the MOIST series. By taking only one scan moisture measurements in several depth layers can be acquired with high lateral resolution. Large areas can be scanned with high speed.

The operation of the scanner is very simple using the touch panel and the integrated menu navigation. Right after having finished the measurement all scanned layers can be displayed at the scanner. So directly after the scan first conclusions are possible. The maximum scan size is 1 Mvoxel (1.000 x 1.000 measuring points). Using the software MOIST SCANALYZE the scan can be processed easily to two- or threedimensional images of the scanned object.

Moisture sensors combinable:

Process sensors:	MOIST R1 430	(penetration depth 3 cm)
	MOIST R2 430	(penetration depth 5 ... 7 cm)
	MOIST D 430	(penetration depth 10 ... 12 cm)
	MOIST P1 430	(penetration depth 25 ... 30 cm)
	MOIST S 430	(penetration depth 60 ... 80 cm)

Handheld sensors : (with adapter) Series MOIST 200 from S.-Nr. 600 Only single operation	MOIST R1	(penetration depth 3 cm)
	MOIST R2	(penetration depth 5 ... 7 cm)
	MOIST D	(penetration depth 10 ... 12 cm)
	MOIST P1	(penetration depth 25 ... 30 cm)
	MOIST S	(penetration depth 60 ... 80 cm)

Display range: 0% < MC < 999% (dry base), 0% < MC < 100% (wet base), 0...Fl...4000 (moisture index)
Temperature range: 0 ... 55°C

Technical Data:

Power:	12 Ah lead accumulator
Operation:	> 8 hours, > 2.000.000 single measurements
Memory organisation:	internal 64 MByte (< 2.000.000 single measurements) external < 1 Gbyte (USB Flash)
Dimensions:	Scanner module 450 x 250 x 200 mm, 14,5 kg Telescope handle with touchpanel Length 1500 mm, max. 4,0 kg
Interfaces:	USB Flash Stick; SD-Card (via USB Card-Reader)

Specification:

Scope of Delivery:	Mobile Scanner module for the support of up to 3 microwave probes (without microwave probes) with comfortable data preprocessing, display- and filter functions Scan size max. 1 M Voxel, Scan Grid 5 cm ... 200 cm Scan acquisition in layers (max. 3) internal lead accu, charging circuitry, power plug, USB flash stick
Options:	Microwave probes of MOIST xP-series Microwave probes of MOIST-Serie Software MOIST SCANALYZE 3.30

