

DATASHEET



Moisture Content Meter for Wood and Building Material MC-160SA



APPLICATIONS & FEATURES

The new MC-160SA is a microprocessor-controlled hand-held instrument. It's reliable, easy to use and provides a faster and non-destructive evaluation of the moisture content of wood and building materials. The MC-160SA can be used in production or on construction sites for the control and inspection for the detection of water damage. In many cases is the relative humidity (RH) more meaningful. For this reason, the MC-160SA includes a software extension for the calculation and display of the RH-value of the moisture content of building materials.

Features:

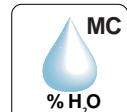
- Direct reading of moisture content in percent water or RH%
- Non destructive (causing no holes in the material under test)
- Auto power Off
- Adjustable Alarm Threshold
- Audio Alarm
- Hold Function

TECHNICAL SPECIFICATION	MC-160SA
INTENDED USERS	Wood treaters, furniture makers, floor and carpet fitters, builders, architects and inspectors for quality assurance. Anyone, who needs a professional quality tool to determine the exact value of moisture in wood and building materials, or the relative humidity in building materials.
MATERIALS	Ytong, Bricks, Wall tiles, Plaster, Eternit slab, Floor tiles, Sand, PVC/Linoleum on concrete, Concrete, concrete slab, Clinker. 230 different species of wood
MEASURING PRINCIPLE	Measurement of capacitive field, non-destructive. Detection of dielectric changes due to the change of the moisture content in the material using a high frequency digital signal.
MEASURING RANGE - MOISTURE CONTENT	Wood: 0- 82.5% H ₂ O (at 200 kg/m ³) Building material: 0- 16% H ₂ O (at E1)
MEASURING RANGE - RELATIVE HUMIDITY	Building material: 0- 98% RH (at E0 - E5)
DENSITY RANGE WOOD:	200-1100 kg/m ³
MEASURING ACCURACY	± 1 %
MEASURING GROUPS	16
SCANNING DEPTH	50 mm
AUTOMATIC SHUT DOWN	Yes
BATTERY WARNING	Yes, status indication
WORKING TEMPERATURE	-10°C/+60°C
DISPLAY	LCD graphical with back light
RESOLUTION	0,1 %
CASING	ABS Plastic
SENSOR	Springy stainless steel, passivated
BATTERY	9 V alkaline
CARRYING BAG	Artificial Leather
SIZE (L x W x H)	150 x 71 x 25 mm
WEIGHT (INCL. BATTERY)	150 g
WARRANTY	2 Years



New Features!

- Additional wood and building material groups
- Wood group selection via density values
- Multi-Language User manual.



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