

## Professional Moisture Content Meter for Wood, Wood Chips, Biofuels, Sawdust, Palm Fibers, Paper MC-460 S-10/S-10P/S-30/S-40



### APPLICATIONS & FEATURES

The new **MC-460** measures the moisture content level in sawn timber, and Biofuels such as Sawdust, Wood Chips, Pellets and Palm Oil Tree residues and also Paper depending of what electrode/probes are used. *With its unique polarisation feature quick and stable readings is obtained even at high Moisture Content levels.* The MC-460 displays the moisture content level in % H<sub>2</sub>O. The instrument has an average adjustment for European wood based on a wood temperature of 20 °C. MC-460 can be delivered with a S-10 Probe, S-30 Probe, Sliding hammer, S-40 Sample Cup with compression and S-10P sword type Probe for paper and Palm Oil Tree Fibers.

#### Features:

- High Measuring Range 3-140% MC H<sub>2</sub>O
- Fast and accurate measurement at high moisture content levels with the new Polarisation feature.
- Large LCD Display with back light
- Replaceable Electrodes, sample cup.
- 264 Defined Wood Species



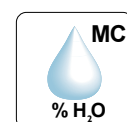
TECHNICAL SPECIFICATION	MC-460
INTENDED USER	Woodworkers, cabinet and furniture makers, drying kiln personell and quality assurance inspectors. Anyone who needs a quality tool to inspect wood or wood products for accurate moisture content and Biofuels users.
MATERIALS	Wood ( 264 Species) Wood Chips, Pellets, Paper Palm Oil tree residues, Energy Grass/ Elephant Grass
MEASURING PRINCIPLE	Resistance type Detection of resistance changes due to variation of Moisture Content in the material using an electrical signal.
MEASURING RANGE	Wood: 3- 140 % H <sub>2</sub> O
MEASURING ACCURACY	Approximative. ± 0.5% MC
MEASURING GROUPS	6 (264 species)
MEASURING DEPTH	8-125 mm depending on Electrodes
MEASURING VOLUME:	40 cm <sup>3</sup> S-40 Sample Cup
WORKING RANGE (Temp)	-10°C/+100°C
WORKING RANGE (Humidity)	0- 85 % Non condensing
DISPLAY	LCD
RESOLUTION	0,1 %
SENSOR	Pin-type / Electrodes S-10 Standard Probe S-30 Sliding hammer Prope. S-40 Sample Cup with Compression Clutch
BATTERY	9 V Alcaline battery 6LR21
CASE	Hard case
SIZE (L x H x D)	134 x 72 x 25 mm
WEIGHT (INCL. BATTERY)	160 g (Case 1.5 kg)
WARRANTY	1 Year



MC-460 with Compression Cup for Wood Chips, Pellet and Sawdust

Complete with following accessories:

The MC-460 is delivered with battery, External MC-probe and Hard case.





S-30  
Sliding Hammer  
Probe for Sawn  
Timber and Wood



S-10  
General  
Purpose  
Probe

**Accessories:**

- S-10 Probe,
- S-10P Probe for Paper and Palm Oil Tree Residues
- S-30 Sliding hammer probe
- S-40 Sample Cup for Wood Chips and Sawdust
- Surface Electrodes for Veneer
- Long Connection Cable, 2 m.
- Calibration Block

Teflon Insulated electrodes

Total Length	Measuring depth
45 mm	30 mm
60 mm	45 mm

Steel Electrodes

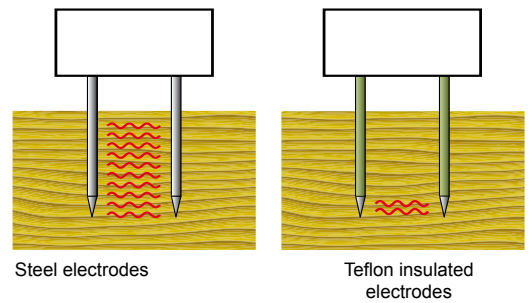
Total Length	Measuring depth
15 mm	12 mm
22 mm	19 mm
30 mm	27 mm

**Facts**

When measuring with an electrical resistance meter a current is flowing into the wood piece. This current is actual ionizing the material that the wood contains of (Cell membrane, water etc.)

As a result the resistance fluctuates giving a fluctuation and drift of Moisture Content readout. On higher Moisture Content levels the accuracy of the measurement depends on how well the user is to make an estimate of average the varying MC value.

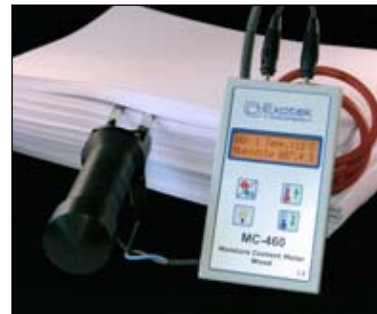
*With the new polarization feature the ionizing is avoided so that the MC-460 provides fast and stable measurements to the User.*



S-40 Compression cup for  
Wood Chips, BioFuels  
Pellets and Sawdust



S-10P  
for Paper and Palm Oil  
Tree Residues



**ORDERING INFORMATION**

Product	Product No.	Quantity	Unit
MC-460/S-10	135	1	Set
MC-460/S-10P	1020	1	Set
MC-460/S-30	136	1	Set
MC-460/S-40	1010	1	Set
S-10	120	1	Pce
S-10P	1021	1	Pce
S-30	121	1	Pce
S-40	1011	1	Pce
Connection cable MC-400	608212	1	Pcs
Steel Electrodes 12 mm	122	10	Pairs
Steel Electrodes 19 mm	123	10	Pairs
Steel Electrodes 26 mm	124	10	Pairs
Steel Electrodes 56 mm	125	10	Pairs
Teflon insulated electrodes 30 mm/ 45 mm Total Length	126	5	Pairs
Teflon insulated Electrodes 45 mm / 60 total Length	127	5	Pairs
Surface Electrodes	128	1	Pair
Reference Resistors, High, Low.	420	2	Pcs

