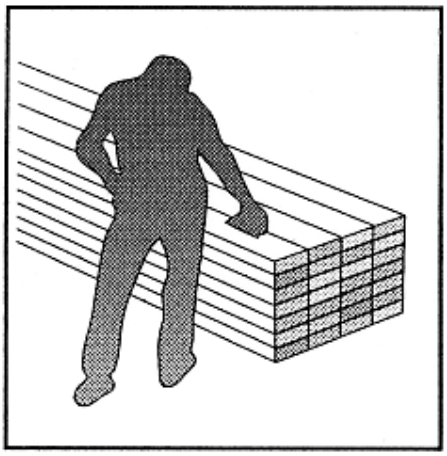
Exotek Instruments

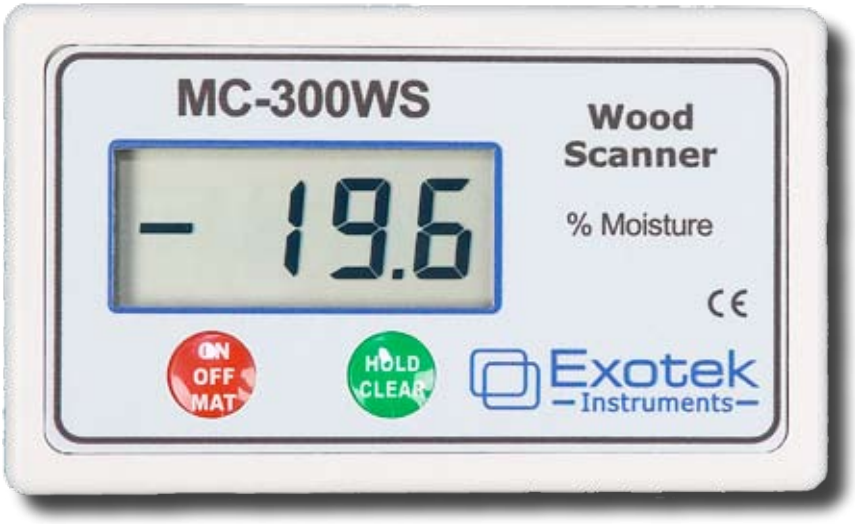
MC-300WS

Electronic Moisture Meter for Wood



ENG

USER'S MANUAL


MC-300WS
Wood
Scanner
- 19.6
% Moisture
CE
ON
OFF
MAT
HOLD
CLEAR
Exotek
Instruments

INTRODUCTION:

With the moisture measuring instrument ***MC-300WS**, Exotek AB* has introduced an hand-held moisture measuring unit, incorporating electronic circuitry perfected over years of development and practical application.

The wood moisture measuring instrument MC-300WS works on high frequency according to the contact measurement process, thus a damage of the material to be measured is excluded.

Due to the approval contact measurement procedure, a quick determination of the moisture in timber is given.

Since it is used individually and is designed to fulfil requirements economically, this unit satisfy in every respect the demands made on a modern precision measuring apparatus.

Reliability, durability and a high standard of accuracy are assured by ultra-modern, completely dependable digital analogue components built to cope with the stress of uncompromising everyday use.

The setting of the wood-groups and of the building material combined with the automatic 0-correction, allow exact measurements on **all** European and exotic timbers.

The MC-300WS moisture measuring device is equipped with an international standardized 9-Volt alkali block-battery, which can be obtained anywhere.

SWITCH-ON:

By pressing the left push-button, the unit is switched on.

SWITCH-OFF:

By pressing **and** holding the left push-button (after the unit is on and the values have been displayed), the unit is switched off after ca. 3 sec.

or: If the unit remains to be switched on after measurements have been taken, it's being switched off automatically after 2 minutes, if it is not in use.

SELECTION OF WOOD GROUPS:

After the unit has been switched on, the previous selected group for wood is indicated on the Display (*H2 - H10*) Each time the left push-button is being pressed again (during the valid group is shown), the unit selects the next higher group in steps of 1.

The indicated wood group is equivalent to the density range of the timber. For selection of wood group see *Wood Group Selection Table* (page 5 – 14)

MEASURING PROCEDURE:

After selecting the appropriate wood-group, releasing the left push-button, the unit must be hold up in the air. The unit is „ready for use" after about 3 sec. On the display will appear **"00.0 "** and now measurements can be taken by placing the instrument **flat** on the material.

After approx. 2 sec. a correct and constant measuring value is being achieved, indicated by a minus "-" sign in front of the value.

THIN MATERIALS:

For single materials, thinner than 5 mm, the volume is too small for accurate measuring values, but it is possible to make comparing measurements to determine for example too wet areas.

To obtain exact measuring results, we recommend measurements in a pile, but take care in getting a thickness of 5 mm minimum, as well as having no air-spaces between the single sheets.

For single, thin materials there is the possibility of a special calibration of the meter. Therefore we have to

do comparing measurements via the *DARR-method*. The calibration then is done at our company, simply be changing the program, with analysing the corresponding comparing measurements. On request we do these tests for you.

BASE:

With material thickness < 25 mm you absolutely have to take care of the right base. Generally avoid a metal base. The best results are taken, if the material to be measured is hold up in the air. You also can use polystyrene with at least a thickness of 50 mm.

HOLD-FUNCTION:

Please follow the instructions about the **SWITCH-ON** and the **SELECTION** of wood-groups

By shortly pressing the right push-button "HOLD" additionally, the measured value is being frozen. In front of the measured value appears the sign ***" : "***. Now it's possible to take measurements at places where the values can't be read directly. On making new measurements the indication of the value automatically re-starts.

VOLTAGE:

The unit is equipped with an international standardized 9 Volt alkali block battery. In case of low voltage, an arrow "←" appears at the left upper side of the display. Now the battery has to be exchanged, to ensure further, correct measuring results.

TECHNICAL SPECIFICATIONS

Measuring method:	High frequency dielectric constant measurement
Measuring range - Wood:	0 - 80 % moisture content (H_2O)
Scanning depth:	5 - 25 mm
Density Range:	200 – 1100 kg/m^3
Hold function:	Yes
Alarm function:	Yes/selectable
Automatic switch off:	Yes
Automatic 0-correction:	Yes
Low battery warning:	Yes
Working conditions, temp / RH:	-10 to +60° C / 0 – 90 %
Display:	LCD digital
Resolution:	0,1%
Housing material:	ABS
Sensor material:	Built-in plate sensor
Power supply:	9 V alkaline battery
Power consumption:	Approx. 5mA
Carrying case:	Artificial leather
Dimensions (h x w x d):	60 x 102 x 30 mm
Weight (incl. battery):	130 g
Warranty:	1 year

NOTE: The Technical Specification can be changed whithout further notice.

PIN-FREE MOISTURE METERS
DENSITY TABLE MC-300WS

Exotek Instruments

Name	Botanical name	to/m³	WG
Abachi	TriplocTriplochiton scleroxylonn scleroxylon	0,35	H3
Abura	Mitragine stipulosa	0,52	H5
Adina	Adina cordifolia	0,6	H5
Afara	Terminalia superba	0,51	H5
Afromosia	AfromAfromosia elata	0,66	H6
Afzelia	Afzelia pachyloba africana	0,7	H6
Agathis	Agathis alba	0,42	H4
Agba	Gossweilerodendron balsamiferum	0,46	H4
Agoho		0,84	H8
Albarco	Cariniana brasiliensis	0,49	H4
Albarco	Cariniana pyriformis	0,57	H5
Alerce	Fitzroya cupressiodes	0,42	H4
Almaciga		0,4	H3
Almon		0,54	H5
Alstonia	Alstonia-congensis-pediccelata	0,4	H3
Amarant	Peltogyne paniculata	0,83	H8
Amberoi		0,36	H3
Amendoim	Pterogyne pitens	0,8	H7
Andiroba	Carapa-guianesis-surinamensis	0,59	H5
Andoung	Monopetalanthus heitzii	0,51	H5
Angelin	Andira inermis	0,76	H7
Angelique	Dicorynia-guianensis-paraensis	0,72	H7
Aningeri	Aningeria spp. Gambeya spp.	0,55	H5
Antiaris	Antiaris-africana-welwitschii	0,36	H3
Arbor-vitae, eastern		0,32	H2

Name	Botanical name	to/m³	WG
Artocarpus	Artocarpus lanceifolius	0,64	H6
Artocarpus	Artocarpus spp	0,52	H5
Ash, American	Fraxinus americana	0,64	H6
Ash, common	Fraxinus excelsior	0,65	H6
Ash, Japanese	Fraxinus mandshurica	0,61	H6
Aspen, quaking	Popolus tremula	0,35	H3
Assacu	Hura crepitans	0,39	H3
Assegai	Curtisia-faginea-fagifolia	0,8	H7
Avodiré	Turraeanthus africanus	0,54	H5
Azobé	Lophira alata banks ex	1,05	H10
Baboen	Virola surinamensis	0,5	H4
Bagtikan		0,54	H5
Baitoa	Phillostylon brasiliensis	0,85	H8
Bakau		0,92	H9
Balau	Shorea guiso	0,8	H7
Balau	Shorea laevis	0,91	H9
Balau	Shorea maxwelliana	0,95	H9
Balau	Shorea spp.	0,92	H9
Balsa	Ochroma-boliviana-lagopus	0,14	H2
Balsamo	Myroxylon-balsamum-perniferum	0,88	H8
Banak	Virola surinamensis	0,5	H4
Banga Wanga	Amblygonocarpus optusangolus	1,02	H10
Basswood, american	Tilia americana	0,37	H3
Basswood, New Guinea		0,34	H3
Batu, Nyatoh		1,03	H10
Batu, selanqan	Shorea guisol	0,8	H7
Batu, selanqan	Shorea maxwelliana	0,95	H9

PIN-FREE MOISTURE METERS
DENSITY TABLE MC-300WS

Exotek Instruments

Name	Botanical name	to/m³	WG
Batu, selanqan	Shorea spp.	0,92	H9
Batu, selanqan	Shorea laevis	0,91	H9
Bayur	Prerospermum spp.	0,58	H5
Beech, red	Fagus sylvatica	0,68	H6
Beech, white, silver	Carpinus betulus	0,57	H5
Belian	Eudderoxylon zwageri	0,93	H9
Benge		0,93	H9
Benihi		0,34	H3
Berlinia	Berlinia grandiflora Macroberlinia bracterosa	0,68	H6
Bilinga	Nauclea diderichii	0,72	H7
Binuang	Octomeles sumtrana	0,35	H3
Birch, common	Betula-alba-verrucosa-pubescens	0,61	H6
Birch, yellow	Betula lutea	0,66	H6
Bitangor	Calophyllum inophyllum	0,62	H6
Bitangor	Calophyllum obliquinervium	0,71	H7
Bitis	Madhuca urilis Palaquium ridleyi,stellatum	1,03	H10
Blackwood, african.	Dalbergia melanoxylon	1,2	H10
Blackwood, austr.	Acacia melanoxylon	0,55	H5
Bloodwood		0,84	H8
Blue Gum	Eucalyputs globulus	0,8	H7
Boire	Detarium senegalense	0,69	H6
Bombax	Bombax brevicuspe	0,4	H3
Bosse	Guarea cedrata	0,54	H5
Boxtree	Buxus sempervirens	0,92	H9
Brushbox	Tristania conferta	0,9	H8
Bruyere	Erica arborea	0,98	H9
Bubinga	Guibourtia-demeusei-pellegriniana	0,91	H9

Name	Botanical name	to/m³	WG
Butternut		0,4	H3
Cabbage-bark, black	Lonchocarpus astilla	0,9	H8
Calophyllum	Calophyllum inophyllum	0,62	H6
Calophyllum	Calophyllum obliquinervium	0,71	H7
Calophyllum	Calophyllum spp.	0,34	H3
Campeche	Haemotoxylon campechianum	0,82	H8
Camphorwood, afr.	Ocotea usambarensis	0,56	H5
Camphorwood, true	Cinnamomum camphora	0,56	H5
Campnosperma	Campnosperma spp.	0,34	H3
Canarium, afr.	Canarium schweinfurthii	0,46	H4
Cativo	Prioria copaifera	0,44	H4
Cedar, Alaska yellow		0,47	H4
Cedar, incense	Libocedrus decurrens	0,36	H3
Cedar, Port Orford	Chamaecyparis laswoniana	0,42	H4
Cedar, western red		0,34	H3
Cedar, white		0,32	H2
Cedrela	Cedrela serrate	0,36	H3
Cedrela	Cedrela toona	0,49	H4
Cedro	Cedrela fissilis	0,38	H3
Ceiba	Ceiba pentandra	0,27	H2
Celtis		0,65	H6
Champaka		0,49	H4
Chengal	Balano carpus heimii	0,94	H9
Cherry tree	Prunus avium	0,54	H5
Chestnut, horse	Aeskulus hippocastanum	0,49	H4
Chestnut, sweet	Castanea sativa	0,54	H5
Chickrassy	Chikrassia tabularis	0,73	H7
Chyrosophyllum		0,67	H6

PIN-FREE MOISTURE METERS
DENSITY TABLE MC-300WS

Exotek Instruments

Name	Botanical name	to/m³	WG
Cocobolo	Dalbergia-retusa-granadillo	0,95	H9
Cocuswood	Brya-buxifoia-ebenus	1,03	H10
Coigue	Nothofagus dombeyi	0,62	H6
Cottonwood		0,4	H3
Courbaril	Hymenaca courbaril	0,83	H8
Cypress	Cupressus sempervirens	0,45	H4
Cypress Lawson		0,43	H4
Cypress red Taiwan		0,34	H3
Cypress Taiwan		0,44	H4
Cypress, southern	Taxodium distichum	0,43	H4
Dabema	Piptadeniastrum africanum	0,64	H6
Dacrydium		0,51	H5
Daniellia	Daniellia-klainei-ogea-spp.	0,48	H4
Diambi	Guarea-laurentii-thompsonii	0,6	H5
Dibetou	Lovoa-brownii-trichiloides	0,49	H4
Dillenia		0,72	H7
Dogwood	Cornus florida	0,82	H8
Douglasie	Pseudotsuga menziesii	0,51	H5
Douka	Thiegemella africana	0,66	H6
Duabanga		0,38	H3
Durian	Bombacaceae w/o Ceiba and Salmalia	0,6	H5
Ebony	Diospyros philippensis	0,95	H9
Ebony	Diospyros spp	0,83	H8
Ebony, afric. & asiat. EEbas,,iat.ebony	Diospyros-spp.-ebenum	1,03	H10
Ebony, macassar	Diospyros-celbica-rumphiii	1,03	H10
Ekki	Lophira alata banks ex.	1,05	H10

Name	Botanical name	to/m³	WG
Elder	Alnus-glutinosa-incana	0,49	H4
Elm	Ulmus carpinifolia	0,61	H6
Elm, american		0,54	H5
Endospermum		0,35	H3
Erima		0,35	H3
Essia	Combretodendron africanum	0,71	H7
Eugenia	Eugenia spp.	0,77	H7
Evino	Vitrex pachyphylla	0,48	H4
Eyong	Sterculia oblonga	0,69	H6
Fir, Balasam		0,38	H3
Fir, Douglas	Pseudotsuga menziesii	0,51	H5
Fir, grand		0,39	H3
Fir, red californ.		0,41	H4
Fir, siberian		0,41	H4
Fir, silver, white	Abies alba	0,43	H4
Fir, subalpine		0,34	H3
Framiré	Terminalia ivorensis	0,51	H5
Freijo	Cordia-alliodora-goeldiana	0,5	H4
Geronggang	Cratoxylon arborescens	0,54	H5
Giam	Hopea nutans	0,95	H9
Giam	Hopea Pierrei	0,82	H8
Gmelina		0,45	H4
Goncalo	Astronium fraxinifolium	0,82	H8
Goncalo alves		1,05	H10
Goupie	Goupia glabra	0,81	H8
Greenheart	Ocotea rodiaei	0,98	H9
Greenheart		0,99	H9
Grove beech	Carpinus betulus	0,73	H7

PIN-FREE MOISTURE METERS
DENSITY TABLE MC-300WS

Exotek Instruments

Name	Botanical name	to/m³	WG
Guajacan	Guaiacum guatemalense	1,25	H10
Guatambu	Balfourodendron riedelianum	0,78	H7
Gubas		0,36	H3
Guijo		0,8	H7
Haldu	Adina cordifolia	0,6	H5
Hemlock, eastern		0,48	H4
Hemlock, western	Tsuga-candensis-heterophylla	0,43	H4
Hickory	Carya-glabra-ovata-spp.	0,76	H7
Igem		0,49	H4
Ilomba	Pycanantus angolensis	0,45	H4
Imbuya	Phoebe porosa	0,6	H5
Indigbo		0,51	H5
Ipe	Tabebuia-guayacan-ipe-serratif.	1,11	H10
Ipil	Intsia-bijuga	0,8	H7
Iroko	Chlorophora excelsa	0,64	H6
Izombe	Testulea gabonensis	0,7	H6
Jacaranda, east-indian	Dalbergia latifolia	0,83	H8
Jacaranda, Rio	Dalbergia nigra	0,83	H8
Jacereuba	Calophyllum brasiliense	0,56	H5
Jarrah	Eucalyptus marginata	0,76	H7
Jelutong	Dyera costulata	0,41	H4
Jong Kong	Dacryloclados stenostachys	0,44	H4
Juniper	Juniperus viginiana	0,46	H4
Kalampayang		0,42	H4
Kalantas		0,42	H4
Kamagong		0,95	H9
Kamerere		0,6	H5

Name	Botanical name	to/m³	WG
Kapok		0,28	H2
Kapur	Dryobalanops lanceolata	0,69	H6
Karri	Eucalyptus diversicolor	0,85	H8
Kauri	Agathis spp.	0,53	H5
Kedondong	Burseraceae	0,52	H5
Kempas	Koompassia malaencensis	0,82	H8
Keruing	Dipterocarpus spp.	0,72	H7
Khsach		0,82	H8
Koki		0,78	H7
Kokikhsach		0,82	H8
Kokruda		0,66	H6
Kotibe	Nesogordonia papaverifaera	0,7	H6
Koto	Pterygota macrocarpa	0,47	H4
Krabak	Anisoptera marginata	0,6	H5
Kuku		0,75	H7
Kwila	Intsia-bijuga	0,8	H7
Labula		0,42	H4
Lagerstroemia		0,64	H6
Landa	Erythroxylum manni	0,58	H5
Lapacho	Tabebuia-guayacan-ipe-serratif	1,11	H10
Larch, european	Larix decidua	0,55	H5
Larch, japanese	Larix leptolepsis	0,49	H4
Larch, sibirian	Larix sibirica	0,55	H5
Lauan, red		0,49	H4
Lauan, white		0,49	H4
Lauan, yellow		0,46	H4
Laurel, chile	Laurelia aromatica	0,44	H4
Laurel, indian-	Terminalia alata	0,83	H8

PIN-FREE MOISTURE METERS
DENSITY TABLE MC-300WS

Exotek Instruments

Name	Botanical name	to/m³	WG
Lavoa	Lavoa brownii, Lavoa trichiliodes	0,49	H4
Lenggadai		0,89	H8
Lignum vitae		1,25	H10
Limba	Terminalia suberba	0,51	H5
Limbali	Gilbertiodendron dewevrei	0,76	H7
Linde	Tilia-cordata-platyphyllos	0,49	H4
Litsea		0,46	H4
Longui		0,53	H5
Louro, -Vermecho	Ocotea rubra	0,57	H5
Madrono, Pacific	Arbutus menziesii	0,68	H6
Magnolie	Magnolia acuminata	0,52	H5
Mahogany	Swietenia mahagoni	0,58	H5
Mahogany ,Tiama	Entandrophragma angolense	0,52	H5
Mahogany, Honduras		0,49	H4
Mahogany, Khaya, African	Khaya-ivorensis-grandifoliola-spp	0,49	H4
Mahogany, Kosipo	Entandrophragma candollei	0,65	H6
Mahogany, Sapelli	Entandrophragma cylindricum	0,61	H6
Mahogany, Sipo	Entandrophragma utile	0,58	H5
Makore	Tieghemella heckelii	0,62	H6
Malas		0,89	H8
Malugai		0,66	H6
Manbarklak	Eschweilera longipes	0,92	H9
Manggachapui		0,7	H6
Manggasinoro		0,46	H4
Mango		0,71	H7
Mangrove		0,92	H9

Name	Botanical name	to/m³	WG
Manio	Podocarpus nubigenus	0,45	H4
Mansonia	Mansonia-altissima-ssp.	0,6	H5
Maple (mountain)	Acer pseudoplatanus	0,57	H5
Maple (silver), soft	Acer saccharinum	0,51	H5
Maple (sugar)	Acer saccharum	0,68	H6
Maple, black		0,57	H5
Maple, hard		0,64	H6
Maple, red		0,57	H5
Massaranduba	Minusops balata,Manikara-bidentata-huberi	0,96	H9
Matoa		0,66	H6
Mayapis		0,47	H4
Mecrusse	Androstachys johnsonii	0,86	H8
Medang	Cinnamomum camphora	0,56	H5
Melapi	Shorea-assamica-bracteolata-spp.	0,61	H6
Mempening	Lithocarpus spp. Quercus spp.	0,83	H8
Menggeris		0,79	H7
Menkulang	Tarrietia spp.	0,66	H6
Meranti, dark red	Shorea-pauciflora-spp.	0,64	H6
Meranti, light red	Shorea-negrosensis-spp.	0,48	H4
Meranti, red	Shorea curtisii	0,58	H5
Meranti, red	Shorea leprosula	0,49	H4
Meranti, red	Shorea parvifolia	0,46	H4
Meranti, red	Shorea spp. (Rubroshorea)	0,54	H5
Meranti, red	Shorea teysmannina	0,56	H5
Meranti, white	Shorea hypochra	0,63	H6
Meranti, white	Shorea spp. (Authoshorea)	0,52	H5

PIN-FREE MOISTURE METERS
DENSITY TABLE MC-300WS

Exotek Instruments

Name	Botanical name	to/m³	WG
Meranti, white	Shorea-assamica-bracteolata-spp.	0,61	H6
Meranti, yellow	Shorea-faguetiana-multiflora-spp.	0,53	H5
Merawan	Hopea-mangarawan-odorata	0,71	H7
Merbau	Intsia bijuga	0,8	H7
Mersawa	Anisoptera marginata	0,65	H6
Messmate stringy bark		0,66	H6
Mindro		0,65	H6
Moabi	Baillonella toxisperma	0,81	H8
Molave		0,69	H6
Molucansaw		0,31	H2
Mora	Mora excelsa	0,9	H8
Movingui	Distemonanthus benthamianus	0,7	H6
Mucarati	Burkea afrikana	0,97	H9
Muhimbi	Cynometra alexandri	0,87	H8
Muhuhu	Brachylaena hutchinsii	0,85	H8
Mukulungu	Autranella congolensis	0,91	H9
Mukusi	Balkaea plurijuga	0,87	H8
Mulberry tree	Morus alta	0,6	H5
Muninga	Pterocarpus angolensis	0,55	H5
Musizi	Maesopsis-eminii-berchemioides	0,45	H4
Mutenye	Guibourtia arnoldiana	0,73	H7
Myristica		0,42	H4
Myrtle	Nothofagus cunninghamii	0,5	H4
Naga	Brachystegia cynometroides	0,6	H5
Narig		0,87	H8
Narra	Pterocarpus indicus	0,48	H4

Name	Botanical name	to/m³	WG
Nato		0,6	H5
Neconauclea		0,79	H7
Niangon	Tarretia-utilis-densiflora	0,65	H6
Niove	Staudtia-stipitata-camerunensis	0,87	H8
Nothofagus	Nothofagus menziesii	0,57	H5
Nothofagus	Nothofagus spp.	0,62	H6
Nothofagus	Nothofagus fasca	0,68	H6
Nyatoh	Palaquium spp.	0,63	H6
Nyatoh batu		1,03	H10
Oak, Japanese	Quercus crispula	0,63	H6
Oak, red	Quercus rubra	0,65	H6
Oak, stalk grape	Quercus-robur-petraea	0,63	H6
Oak, stone	Quercus ilex	0,85	H8
Oak, tasmanian		0,66	H6
Oak, white	Quercus alba	0,64	H6
Obeche	Triplochiton slceroxylon	0,35	H3
Okan	Cylicodisus gabunensis	0,82	H8
Okoume	Aucoumea klaineana	0,4	H3
Olive	Olea-europaea-hochstetteri	0,85	H8
Olivillo	Aextoxicon punctatum	0,58	H5
Opepe	Nauclea diderichii	0,72	H7
Ovengkol	Guibourtia ehie	0,69	H6
Ozigo	Dacryodes buettneri	0,54	H5
Ozouga	Saccoglottis gabonensis	0,84	H8
Padauk, african	Pterocarpus dalbergiodes	0,68	H6
Padauk, african	Pterocarpus soyauxii	0,73	H7
Padauk, burma-	Pterocarpus macrocarpus	0,81	H8
Padauk, manila	Pterocarpus indicus	0,48	H4

PIN-FREE MOISTURE METERS
DENSITY TABLE MC-300WS

Exotek Instruments

Name	Botanical name	to/m³	WG
Paldao	Dracontomelum mangiferum	0,52	H5
Paldao-	Dracontomelum-dao.-spp.	0,62	H6
Palisander, ostind.	Dalbergia latifola	0,83	H8
Palisander, rio	Dalbergia nigra	0,83	H8
Palosapis		0,62	H6
Panga Panga	Millettia stuhlmannii	0,76	H7
Partridge	Caesalpina granadillo	0,98	H9
Pau rosa	Swortzia filstuloides	1	H9
Pear tree	Pirus communis	0,66	H6
Pecan		0,71	H7
Pencilwood, african afrpencilwdom, ,,od	Juniperus procera	0,51	H5
Pencilwood, calif.	Libocedrus decurrens	0,36	H3
Pencilwood, virg.	Juniperus virginiana	0,46	H4
Pericopsis		0,75	H7
Pernambuc	Caesalpina echinata	0,85	H8
Peroba di campos	Paratecoma peroba	0,69	H6
Peroba rosa	Aspidosperma peroba	0,71	H7
Persimmon	Diospyros virginiana	0,78	H7
Perupok	Lophoperalum spp.	0,49	H4
Phdiek		0,63	H6
Pillarwood	Cassipourea malonsana	1	H9
Pine	Pinus sylvestris	0,48	H4
Pine, Beach-	Pinus maritima	0,48	H4
Pine, Benguet		0,57	H5
Pine, black	Pinus nigra	0,56	H5
Pine, Caribian	Pinus caribea, polustris,tacda,oocarpa	0,63	H6
Pine, Corean		0,46	H4
Pine, eastern white	Pinus strobus	0,38	H3

Name	Botanical name	to/m³	WG
Pine, Hoop		0,47	H4
Pine, Insignis	Pinus insignis-radiata	0,44	H4
Pine, Klinki		0,41	H4
Pine, Loblolly	Pinus-palustris-tacda-oocarpa-risida	0,52	H5
Pine, Lodge pole		0,43	H4
Pine, long-leaf		0,63	H6
Pine, Merkus		0,65	H6
Pine, Mindro		0,65	H6
Pine, Parana	Araucaria angustifolia	0,5	H4
Pine, Pitch, Honduras	Pinus-palustris-tacda-oocarpa-risida	0,63	H6
Pine, red, Honduras,	Pinus palustris-tacda-oocarpa-risida	0,52	H5
Pine, short-leaf		0,54	H5
Pine, Siberian red		0,43	H4
Pine, Slash		0,63	H6
Pine, sugar		0,37	H3
Pine, Swisse	Pinus cembra	0,45	H4
Pine, western white		0,38	H3
Pine, Weymouth	Pinus strobus	0,38	H3
Planchonella		0,54	H5
Plane	Platanus-acerifoglia-orientalis	0,57	H5
Plum tree	Prunus dom.	0,69	H6
Pocked wood	Guaiacum guatemalense	1,25	H10
Podo	Podocarpus grcilior	0,46	H4
Ponderosa Pine	Pinus ponderosa	0,55	H5
Poplar	Populus-alba-nigra-hibrid	0,42	H4
Port-Orfordcedar	Chamaecyparis lawsoniana	0,42	H4
Primavera		0,44	H4

PIN-FREE MOISTURE METERS
DENSITY TABLE MC-300WS

Exotek Instruments

Name	Botanical name	to/m³	WG
Pulai	Alstonia spp.	0,4	H3
Pyinkado	Xylia dolabriformis	0,84	H8
Quaruba	Yochysia-guaianensis-spp.	0,46	H4
Quebracho blanco	Aspidosperma quebrachoblanco	0,82	H8
Quebracho,Colorado	Shinopsis balanesae	1,14	H10
Ramin	Gonystylus bancanus	0,58	H5
Rang		1,01	H10
Rauli	Nothofagus procera	0,51	H5
Redcedar, Western	Thuja plicata	0,34	H3
Redwood, kaliforn.	Seqoia semper virens	0,37	H3
Rengas	Gluta-rengas-spp.	0,59	H5
Resak	Cotylelobium melanoxylon	0,94	H9
Resak	Vatica cuspidata	0,92	H9
Resak	Vatica stapfiana	0,76	H7
Robinia	Robinia pseudoacacia	0,69	H6
Roble	Tabebuia pentaphylla	0,52	H5
Rosewood, Honduras		0,98	H9
Rosewood, Indian	Dalbergia nigra	0,83	H8
Rosewood, Thailand		1,08	H10
Rosewood,Bahia, Brazilian	Dalbergia-frutenscens-variabilis	0,95	H9
Ru		0,64	H6
Rubber tree		0,61	H6
Safukala	Dacryodes heterotricha	0,61	H6
Sal		0,83	H8
Saligna Gum	Eucalyptus saligna	0,76	H7
Sandlewood	Amyris balsamifera	0,82	H8
Sapele		0,61	H6

Name	Botanical name	to/m³	WG
Sapelli		0,61	H6
Sapo	Didelotia brevipaniculata	0,61	H6
Satinwood, eastind.	Chloroxylon swientenia	0,87	H8
Satinwood, westind.	Zanthoxylum flavum Vahl	0,83	H8
Sen	Acanthropanax ricinifolius	0,5	H4
Sengonlaut		0,31	H2
Sepetir	Sindora coriacea	0,54	H5
Sepetir	Sindora spp.	0,67	H6
Sepetirpaya		0,64	H6
Sequoia		0,42	H4
Seraya Red	Shorea argentifolia sym.	0,57	H5
Seraya White	Parashorea plicata	0,5	H4
Seraya Yellow	Shorea acuminatissima sym.	0,49	H4
Sikon	Tetraberlinia tubmaniana	0,64	H6
Sipo		0,58	H5
Siris, white		0,34	H3
Snakewood	Piratinera guianensis	1,25	H10
Sompong		0,3	H2
Sonokeling		0,82	H8
Spruce	Picea abies	0,43	H4
Spruce western white	Picea glauca varalbertina	0,43	H4
Spruce, Engelmann		0,37	H3
Spruce, Sibirian		0,43	H4
Spruce, Sitka-	Picea sitchensis	0,41	H4
Sucupira	Bowdichia nitida	0,86	H8
Sugi	Cryptomeria japonica	0,29	H2
Sweetgum	Liquidamabar styraciflua	0,51	H5
Tabebuia		1,11	H10
Tagayasan		0,78	H7

PIN-FREE MOISTURE METERS
DENSITY TABLE MC-300WS

Exotek Instruments

Name	Botanical name	to/m³	WG
Taihi		0,44	H4
Tali	Erythrophleum guineense	0,87	H8
Tangile	Shorea polisperma	0,5	H4
Tarrieta		0,72	H7
Taun		0,66	H6
Tchitola	Oxystigma oxyphillum	0,61	H6
Teak	Tectona grandis	0,65	H6
Terentang	Campnosperma spp.	0,39	H3
Terminalia	Terminalia brassii	0,42	H4
Terminalia	Terminalia complanata	0,44	H4
Terminalia	Terminalia copelandii	0,49	H4
Terminalia	Terminalia microcarpa	0,56	H5
Tetrameles		0,3	H2
Thuya-Maser	Tetraclinis articulata	0,5	H4
Toosca	Atnus subcordata	0,49	H4
Tristania		1,65	H10
Tupelo	Nyssa sylvatica	0,5	H4
Ulin		0,93	H9
Umbrella tree	Musanga cecropioides	0,2	H2
Wacapou	Vouacapoua americana	0,9	H8
Walnut tree	Juglans reglia	0,61	H6
Walnut, american, black	Juglans nigra	0,58	H5
Walnut, New Guinea		0,52	H5
Wattle, Black	Acacia mollissima	0,7	H6
Wawa		0,36	H3
Wengé	Millettia Laurentii	0,76	H7
Whitewood	Liriodendron tulipiteria	0,44	H4
Willow	Salix-alba-spp.	0,41	H4
Yang	Dipterocarpus alatus	0,72	H7

Name	Botanical name	to/m³	WG
Yemane	Gmelina arborea	0,45	H4
Yew	Taxus baccata	0,59	H5
Zapatero	Gossypiospermum praecox	0,76	H7
Zebra wood		0,82	H8
Zingana	Microberlinia-bisulcata-brazzavillensis	0,72	H7