

Material moisture measurement



WOOD AND CONSTRUCTION MOISTURE

Protection against moisture is a major problem in buildings. Early detection of building and material moisture contribute to the sustained protection and preservation of building fabric. Moisture assessment and localisation with suitable instruments is essential for this.

Non-destructive material moisture detection using the capacitive measuring method, ensures measurement results are obtained effortlessly and quickly: without damaging the surface during and especially after the construction phase. Measuring instruments utilising the precision measuring concept are used to determine the moisture in various building materials. This measuring method provides very accurate results.

Powerful technology



Precision spot measurement of material moisture



Non-destructive surface scan



Pop-out sensor for measuring relative humidity, ambient temperature and calculating dew point temperature



Protective cap with self-test function



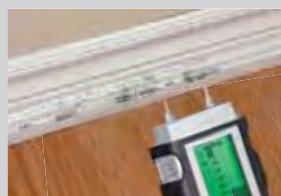
12-position wet/dry LED indicator



High degree of accuracy thanks to selectable material characteristics



Intelligent building moisture measurement
Without damaging the surface – measures on floor, wall and ceiling



Conversion table with many different types of timber and building materials



Moisture measuring devices

Overview



	WoodTester	DampFinder	DampMaster	MultiWet-Master	DampMaster Data Plus
TYPES OF WOOD:	2 wood groups, especially for firewood	4 types of wood with comparison table	3 wood groups with 111 types of wood with table	3 wood groups with 111 types of wood with table + 2 wood groups subdivided into softwood/hardwood	513 types of wood selectable via menu system
Ash	•		•	•	•
Alder	•		•	•	•
Amer. mahogany			•	•	•
Beech	•	•	•	•	•
Birch	•	•	•	•	•
Cedar			•	•	•
Douglas fir			•	•	•
Ebony	•		•	•	•
Elm			•	•	•
European larch			•	•	•
Linden	•		•	•	•
Maple	•		•	•	•
Pedunculate oak	•	•	•		•
Redwood					•
Robinia				•	•
Scots pine			•	•	•
Spruce	•	•	•	•	•
Teak			•		•
White meranti				•	•
Willow	•		•	•	•
BUILDING MATERIALS:	none	4 building materials with conversion table	4 building materials integrated, 25 building materials with conversion table	21 building materials selectable via menu system	29 building materials selectable via menu system
Aerated concrete		•	•	•	•
Anhydrite screed			•	•	•
Ardurapid cement screed			•	•	•
Bricks clay bricks			•	•	•
Cardboard			•	•	•
Cement mortar ZM 1/3			•	•	•
Cement screed		•	•	•	•
Cement screed bitumen admixture			•	•	•
Cement screed synthetic additives			•	•	•
Cement-bonded particle board			•	•	•
Chalky sandstone			•	•	•
Concrete C12 / 15			•	•	•
Concrete C20 / 25		•	•	•	•
Concrete C30 / 37			•	•	•
Cork			•	•	•
Elastizel screed			•	•	•
Fibre board			•	•	•
Gypsum screed			•	•	•
Kauramin particle boards			•	•	•
Lime mortar KM 1/3			•	•	•
Melamine particle boards			•	•	•
On-wall plaster		•	•	•	•
Paper			•	•	•
Phenolic resin particle boards			•	•	•
Polystyrene, Styrofoam			•	•	•
Soft-fibre panel, wood, bitumen			•	•	•
Stone wood, Xylolite			•	•	•
Textiles			•	•	•
Wood cement screed			•	•	•
INDEX mode			•	•	•



Moisture measuring devices



WoodTester



Compact wood moisture instrument

- Checks the degree of dryness in firewood to conserve energy and reduce emissions.
- Dual scale for most commonly used types of firewood
- Simple one-button operation
- Stable, ergonomic housing
- Measurement:
 - Range, wood group A (beech, linden, willow, ebony) 8 %...23%
 - Range, wood group B (pedunculate oak, maple, alder, spruce, ash) 10 %...26 %
- Accuracy: ± 2%

Inclusive: WoodTester, protective cap with self-test function, battery

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082.005A	4 021563 672370	5

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DampFinder



Universal device for testing moisture in wood and building materials

- Suitable for moisture detection in soft building materials like gypsum or plaster; especially for quick checks in woodworking and for firewood
- Dual scale (wood and building material moisture)
- Illuminated, transparent display
- Measuring range / accuracy:
 - Wood: 6% ... 30% / ± 1%, 30% ... 44% / ± 2%
 - Building materials: 0.2 ... 2.2% / ± 0.5%

Inclusive: DampFinder, batteries

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3x CR 2032

Moisture measuring devices



DampMaster



Professional test instrument for moisture in wood, plaster and building materials

- Measurement accuracy increased by integrated characteristics of 3 groups and 4 materials.
- The wet/dry indicator evaluates and interprets measurements with respect to the given material.
- The housing's protective rubber case equips this device for tough professional usage.
- Illuminated, transparent display

Resistance measurement Measuring range / accuracy
 Wood: 0...30% / ± 1%, 30...60% / ± 2%, 60...90% / ± 4%
 Other materials: ± 0.5%

Inclusive: DampMaster, batteries, protective cap with self-test function, softbag

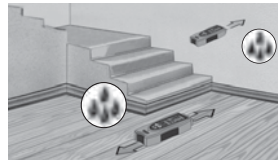
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082.020A	4 021563 664962	5

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MultiWet-Master

NEW



Non-destructive surface scan and precision spot measurement of material moisture. Room climate measurement with dew point

- 2 measuring methods: Resistance measurement, capacitive measurement (non-destructive)
- For measuring 118 types of wood and 21 types of building material
- Pop-out sensor for measuring ambient temperature, relative humidity and calculating dew point
- Universal INDEX mode: locate moisture independently of material type
- Programmable, 12-position wet/dry LED indicator for quick assessment
- Illuminated LC display

Resistance measurement Measuring range / accuracy
 Wood: 0...30% / ± 1%, 30...60% / ± 2%, 60...90% / ± 4%
 Other materials: ± 0.5%

Capacitive measurement Measuring range / accuracy
 Softwood: 0%...52% / ± 2% (6%...30%)
 Hardwood: 0%...32% / ± 2% (6%...30%)

Inclusive: MultiWet-Master, protective cap with self-test function, softbag, battery

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Moisture measuring devices

DampMaster Data Plus

NEW



Professional material moisture measuring device with material display

- Material characteristics for 513 types of wood and 29 types of building material
- CM mode for 11 building materials
- Material list and menu system in 22 languages
- Internal memory for recording measured data with place and time information
- Interface for reading measured data and controlling the measuring device via PC software
- Favourite management of the most frequently used materials
- Universal INDEX mode with reference measurement function
- Programmable, 12-position wet/dry LED indicator for quick assessment

Soon available.



Resistance measurement Measuring range / accuracy
 Wood: 0...30% / ± 1%, 30...60% / ± 2%, 60...90% / ± 4%
 Other materials: ± 0.5%

Inclusive: DampMaster Data, HammerProbe, protective cap with self-test function, USB cable, software, battery, carrying case

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DampExtension



DeepElectrodes and ExtensionCable set

- Depth electrodes for a wide and varied selection of applications
- Connection via ExtensionCable
- 2 x non-insulated metal electrodes: for moisture measurements in building and insulating materials
- 2 x insulated metal electrodes: for moisture measurements in multi-layer wall or ceiling structures
- 2 x insulated flat electrodes: for moisture measurements in concealed material layers, specifically for wall-ceiling transition
- 2 x brush electrodes: for moisture measurements in homogeneous building materials without direct contact mass

For DampFinder, DampMaster, DampMaster Data and MultiWet-Master only.



Inclusive: DeepElectrodes, ExtensionCable

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082.026A	4 021563 671380	2



HammerProbe



Robust external hand-held electrode

- Particularly well suited for use with hardwoods and soft building materials
- Featuring an ergonomic grip for easy insertion into the material to be measured.

For DampFinder, DampMaster, DampMaster Data and MultiWet-Master, WoodTester only.



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Electrodes



Replacement measuring spikes for HammerProbe, WoodTester / DampFinder / DampMaster / DampMaster Data / MultiWet-Master

- Long measuring spikes:
- HammerProbe: 15 mm
- WoodTester / DampFinder / DampMaster / DampMaster Data / MultiWet-Master: 10 mm



Inclusive: electrodes, 4 pieces

ORDER NO.	EAN-CODE	PU
HammerProbe 082.024.1	4 021563 666607	5
WoodTester / DampFinder / DampMaster / DampMaster Data / MultiWet-Master 082.020.1	4 021563 666249	10



Moisture measuring devices in case set



DampFinder Plus

DampFinder with HammerProbe
for 111 types of wood and 8 types of building material
– Product description same as on Page 10 and 12

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Inclusive: DampFinder, HammerProbe, conversion table, batteries, carrying case

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082.011A	4 021563 668243	2



DampMaster Plus

DampMaster with HammerProbe
– Product description same as on Page 11 and 12

IQ

Inclusive: DampMaster, HammerProbe, conversion table, batteries, carrying case

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082.021A	4 021563 664979	2



DampMaster Pro

DampMaster with DampExtension
– Product description same as on Page 11 and 12

IQ

Inclusive: DampMaster, DeepElectrodes, ExtensionCable, conversion table, batteries, carrying case

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082.025A	4 021563 670451	2



DampMaster and CondenseSpot Pro

– Product description same as on Page 11 and 18

IQ

Inclusive: DampMaster, conversion table, CondenseSpot Pro, batteries, carrying case

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082.045-1	4 021563 673476	1



MoistureMaster and CondenseSpot Pro

– Product description same as on Page 14 and 18

IQ

Inclusive: MoistureMaster, CondenseSpot Pro, batteries, carrying case

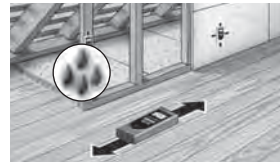
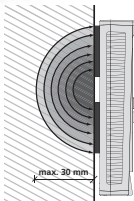
ORDER NO.	EAN-CODE	PU
082.033-1	4 021563 674275	2



Moisture measuring devices



MoistureFinder



Professional material moisture measurement – quick and non-destructive

- Non-destructive measurement of material moisture by capacitive measurement. The tested material is not damaged.
- Simple handling: select material type then place the instrument on the material's surface to determine moisture content in %.
- 4 selectable material characteristics: soft woods (e.g. spruce, pine, linden), hard woods (e.g. beech, oak, birch), gypsum plaster and cement screed
- LED wet/dry indicator provide immediate measurement results for moisture content in the tested material.

Measuring range / Accuracy:

Cement screed:	0%...4,5% / ± 0,5%
Gypsum plaster:	0%...9% / ± 0,5%
Softwood:	0%...52% / ± 2% (6%...30%)
Hardwood:	0%...32% / ± 2% (6%...30%)

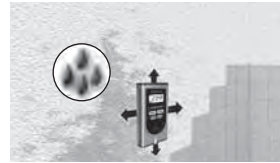
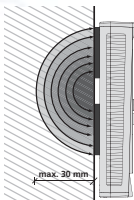
Inclusive: MoistureFinder, battery

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082.032A	4 021563 671120	5



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MoistureMaster



Professional material moisture measurement – quick and non-destructive

- Non-destructive measurement of material moisture by capacitive measurement. The tested material is not damaged.
- 62 selectable material characteristics: 56 wood and 6 building material types (cement screed, anhydrite screed, gypsum plaster, aerated concrete, concrete, lime malm brick)
- Index mode
- Quick localisation of moisture: comparison measurements can be made in index mode to reveal increasing or decreasing moisture based on a neutral scale.
- LED wet/dry indicator provide immediate measurement results for moisture content in the tested material.
- Menu system with 22 languages
- Illuminated, transparent display

Measuring range / Accuracy:

Cement screed:	0%...4,5% / ± 0,5%
Anhydrite screed:	0%...3,1% / ± 0,5%
Gypsum plaster:	0%...9% / ± 0,5%
Aerated concrete:	0%...48% / ± 1%
Concrete:	0%...5% / ± 0,5%
Lime malm brick:	0%...10% / ± 0,5%
Wood:	0%...60% / ± 2% (6%...30%)

Inclusive: MoistureMaster, battery, softbag

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082.033A	4 021563 671137	5



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