

**Type :** **Easy**

**Easy timber / building moisture measuring device -  
the compact moisture measuring device for every situation**

The BES Easy is the smallest model in the BES Bollmann measuring technology range. With its large graphics display it can be used wherever a robust, compact design and easy operation are important. Moreover, it can be used not only for measuring timber moisture levels, but also for determining building moisture levels. Its additional measuring head also ensures non-destructive measurement. Just like its larger siblings, it too has a battery and calibration value test function.

	<b>Easy</b>
<b>Measuring principle</b>	electrical resistance
<b>Electrode length</b>	8 mm
<b>Electrodes</b>	integrated, replaceable
<b>Measuring range</b>	timber 6 – 44 % building materials 0,2 – 2,0 %
<b>Application</b>	timber, derived timber products, veneer, cardboard, paper, cemented building materials, plaster, floor paving, coating materials
<b>Display precision</b>	± 1 % for timber ± 0,05 % for building materials
<b>Battery</b>	3 x Cr. 2032, replaceable and very long life
<b>Test function</b>	device and battery test function
<b>Housing material</b>	shock-resistant plastics
<b>Dimensions</b>	130 x 30 x 21 mm
<b>Weight</b>	98 g
<b>Ambient temperature</b>	0 – 40 °C
<b>Warranty</b>	12 month
<b>Other</b>	circuit against over-voltage automatic on and off switching



**Prices:**

**Easy**  
**Easy-contact**

**€ 120,00**  
**€ 135,00**

**Type :** Easy plus

**Timber-/ building moisture measuring device Easy plus.  
multifunctional - compact - unique**

The new Easy plus was especially developed for measuring timber- and building moisture. You can configure the Easy plus to your individual requirements. From a list of 34 materials you can choose 2 wood groups and 2 building materials. Naturally the Easy plus includes a removable contact cap, which guarantees non-destructive measurement. Further features are the large display, the compact housing and the easy handling. The additional data hold function makes it comfortable to read measurements from hard to reach places.

Easy plus	
<b>Measuring principle</b>	electrical resistance
<b>Electrodes</b>	integrated, replaceable
<b>Contacts</b>	2x hardened special electrodes, 9mm length; measuring cap for non-destructive measurement
<b>Measuring range</b>	timber 5,0% – 48,0% building materials 0,3% - 100,0% (depending on material)
<b>Wood moisture* (Standard)</b>	A --> woodgroup 3 B --> woodgroup 4
<b>Building moisture* (Standard)</b>	A --> cement B --> plaster
<b>Display precision</b>	timber ± 0.5% building materials ± 0.03%
<b>Display</b>	LCD 3-digit display 65 symbols (Bargraph / special characters)
<b>Battery</b>	2 x standard battery 1.5V AAA, replaceable
<b>Battery display</b>	4-step battery symbol
<b>Self test</b>	LCD / calibration / battery status
<b>Housing</b>	shock-resistant plastic
<b>Dimensions</b>	160 x 53 x 33 mm
<b>Weight</b>	135 g (incl. battery)
<b>Ambient temperature</b>	-10°C to +60°C
<b>Handling</b>	2 keys (membrane keypad / one-handed operation)
<b>Data hold function</b>	yes
<b>Electrostatic state</b>	Warning symbol, static discharge protection
<b>Temperature compensation with infrared measurement</b>	no



\*Customer specific configurations with a choice of 4 materials from a list of 34 possibilities.  
The manufacturer reserves the right to make technical alterations.

**Prices:**

**Easy plus**  
**Easy plus with customised configuration**

**€ 149,00**  
**€ 174,00**

**Type :** **Easy comfort**

**Timber-/ building moisture measuring device Easy comfort  
multifunctional - compact - unique**

The *Easy comfort* has the same characteristics as the *Easy plus*, but it is additionally equipped with temperature compensation. This enables a more accurate measurement, as the wood temperature affects the measurement.

<b>Easy comfort</b>	
<b>Measuring principle</b>	electrical resistance
<b>Electrodes</b>	integrated, replaceable
<b>Contacts</b>	2x hardened special electrodes, 9mm length; measuring cap for non-destructive measurement
<b>Measuring range</b>	timber 5,0 % – 48,0 % building materials 0,3 % - 100,0 % (depending on material)
<b>Wood moisture* (Standard)</b>	A --> woodgroup 3 B --> woodgroup 4
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<b>Display precision</b>	timber ± 0.5 % building materials ± 0.03 %
<b>Display</b>	LCD 3-digit display 65 symbols (Bargraph / special characters)
<b>Battery</b>	2 x standard battery 1.5V AAA, replaceable
<b>Battery display</b>	4-step battery symbol
<b>Self test</b>	LCD / calibration / battery status
<b>Housing</b>	shock-resistant plastic
<b>Dimensions</b>	160 x 53 x 33 mm
<b>Weight</b>	135 g (incl. battery)
<b>Ambient temperature</b>	-10°C to +60°C
<b>Handling</b>	2 keys (membrane keypad / one-handed operation)
<b>Data hold function</b>	yes
<b>Electrostatic state</b>	Warning symbol, static discharge protection
<b>Temperature compensation with infrared measurement</b>	yes 0°C - 80°C



\*Customer specific configurations with a choice of 4 materials from a list of 34 possibilities.  
The manufacturer reserves the right to make technical alterations.

### Prices:

**Easy comfort**

**€ 159,00**

**Easy comfort with customised configuration**

**€ 184,00**

**Type :** Easy Maxi

**Timber-/ building moisture measuring device Easy Maxi  
multifunctional - compact - unique**

The Easy *Maxi* has the same characteristics as the Easy *Comfort*. In addition to timber and material moisture, Easy *Maxi* also measures air moisture and temperature. In this way, drying conditions can be reliably assessed directly on-site.

Easy Maxi	
<b>Measuring principle</b>	Mat. moisture:electrical resistance Temperature: Infrared/Climate sensor Rel. Humidity: Climate sensor Dewpoint: Climate sensor EMC: Climate sensor
<b>Electrodes</b>	integrated, replaceable
<b>Contacts</b>	2x hardened special electrodes, 9mm length; measuring cap for non-destructive measurement
<b>Measuring range</b>	Timber 5,0 – 48,0% Building materials 0,3% - 100,0% Temperature -20 - + 80 °C Rel.humidity 0-99,9 % Dewpoint 0 - 80 °C EMC 0 - 99,9%
<b>Wood moisture* (Standard)</b>	A --> woodgroup 3 B --> woodgroup 4
<b>Building moisture* (Standard)</b>	A --> cement B --> plaster
<b>Display precision</b>	timber ± 0.5 % building materials ± 0.03 % Temperature ±0,5 K Rel.humidity ± 1,5 % Dewpoint ± 0,5 K EMC ±0,3 %
<b>Display</b>	LCD 3-digit display 65 symbols (Bargraph / special characters)
<b>Battery</b>	2 x standard battery 1.5V AAA, replaceable
<b>Battery display</b>	4-step battery symbol
<b>Self test</b>	LCD / calibration / battery status/configuration
<b>Housing</b>	shock-resistant plastic
<b>Dimensions</b>	160 x 53 x 33 mm
<b>Weight</b>	135 g (incl. battery)
<b>Ambient temperature</b>	-10°C to +60°C
<b>Handling</b>	2 keys (membrane keypad / one-handed operation)
<b>Data hold function</b>	yes
<b>Electrostatic state</b>	Warning symbol, static discharge protection
<b>Temperature compensation with infrared measurement</b>	yes 0°C - 80°C



**Prices:**

**Easy maxi**

**€ 199,00**

**Easy maxi with customised configuration**

**€ 224,00**

**Type** :HDI 3.3

### Moisture meter H-DI 3.3 - the professional series wood moisture measuring device

Using the H-DI 3.3 in the professional range you can record the entire moisture range for about 300 types of timber from 4 - 40%. Because it is so simple to operate and because of his high-precision measuring capacity, it is the perfect tool for all professionals who want rapid, precise measurement on site.

	H-DI 3.3
Measuring range	4 – 40 %
Display resolution	0.10 %
Application	timber, derived timber products
Measuring principle	electrical resistance
Timber group adjustment	yes
Temperature adjustment	no
Ambient temperature	0 – 40 °C
Setting switch	1
Battery control	yes
Device control	no
Battery	9-V-compound battery
Dimensions	140 x 80 x 40 mm
Weight	210 g
FMPA-approval	no
Warranty	12 month
Miscellaneous	clear operation, high long-time stability without need for readjustment



#### Prices:

**HDI 3.3 including double needle probe wood and carrying case** € 259,00  
**HDI 3.3 including sliding hammer probe and carrying case** € 310,00

**Type** :HDI 3.10

### Moisture meter H-DI 3.10 - the professional series timber / Building moisture measuring device

In addition to the features possessed by the H-DI 3.3 the H-DI 3.10 has temperature correction, an extended measuring range the capacity to measure building moisture content and FMPA approval. And because of their high-precision measuring capacity, they are the perfect tool for all professionals who want rapid, precise measurement on site.

	H-DI 3.10
Measuring range	4 – 100 %
Display resolution	0,10 %
Application	timber, derived timber products, building materials
Measuring principle	electrical resistance
Timber group adjustment	yes
Temperatur adjustment	yes
Ambient temperature	0 – 40 °C
Setting switch	2
Batterie control	yes
Device control	yes
Battery	9-V-compound battery
Dimensions	140 x 80 x 40 mm
Weight	220 g
FMPA-approval	yes
Warrantee	12 month
Other	clear operation, high long-time stability without need for readjustment



#### Prices:

**HDI 3.10 including double needle probe wood and carrying case** € 372,00  
**HDI 3.10 including sliding hammer probe and carrying case** € 423,00

**Type :Combo 100**

### Top-class timber/building moisture meter Combo 100- the master series

As far as the precise and versatile measurement of timber and building moisture levels is concerned, measuring devices from the Combo range represent state-of-the-art technology. Its high-tech microprocessor takes into account wood temperature and ambient temperature to within 0,5°C. The Combos are easy to operate using the character keys on the keypad, and also switch off automatically if they are not used for a lengthy period.

Combo 100	
<b>System</b>	microprocessor moisture measuring device
<b>Measuring principle</b>	electrical resistance
<b>Application</b>	all known forms of timber, hygroscopic materials plus cemented building materials
<b>Resolution</b>	0,10 %
<b>Measuring range</b>	4 – 120 % timber moisture
<b>Timber group adjustment</b>	standard timber groups automatic
<b>Adjustment memory</b>	2
<b>Building material groups</b>	9
<b>Building moisture measurement</b>	direct display of moisture level
<b>Measurement temperature correction</b>	manual or based on measurement value
<b>Temperature measuring range</b>	-10 bis +110 °C
<b>Key functions</b>	14
<b>Ambient temperature</b>	0 – 40 °C
<b>Dimensions</b>	180 x 78 x 27 mm
<b>Weight</b>	240 g
<b>Battery</b>	9 V E-compound IEC G 6 F22
<b>Battery status display</b>	yes
<b>FMPA-approval</b>	yes
<b>Warranty</b>	12 month
<b>Other simple</b>	Other temperature and air moisture measurement timber temperature and timber group display



#### Prices:

<b>Combo 100 including sliding hammer probe and carrying case</b>	<b>€ 515,00</b>
<b>Combo 100 building material set including double needle probe, Pin probes, brush probes and carrying case</b>	<b>€ 574.00</b>

**Type :Combo 200**

**Top-class timber / building moisture meter Combo 200 - the master series**

Special features of the Combo 200 are the measurement values memory, clock, calendar and serial interface. This means that specific calibration curves and the statistics for a particular drying procedure can be recorded. Together with the accompanying software it is possible to interpret re-recorded data and prepare statistics relating to the progress of the drying procedure.

		Combo 200
<b>System</b>		microprocessor moisture measuring device
<b>Measuring principle</b>		electrical resistance
<b>Application</b>		all known forms of timber, hygroscopic materials plus cemented building materials, Display multi-informative LC display, cardboard and paper
<b>Resolution</b>		0,10 %
<b>Measuring range</b>		4 – 120 % timber moisture
<b>Timber group adjustment</b>		standard timber groups automatic
<b>Adjustment memory</b>		9
<b>Building material groups</b>		9
<b>Building moisture measurement</b>		direct display of moisture level
<b>Measurement values memory</b>		256
<b>Material temperature correction</b>		manual or based on measurement value
<b>Temperature measuring range</b>		-10 bis +110 °C
<b>Key functions</b>		26
<b>Ambient temperature</b>		0 – 40 °C
<b>Dimensions</b>		180 x 78 x 27 mm
<b>Weight</b>		260 g
<b>Battery</b>		9 V E-compound IEC G 6F 22
<b>Battery status display</b>		yes
<b>Clock + calendar</b>		yes
<b>Serial interface</b>		yes
<b>PC evaluation</b>		yes
<b>Statistics</b>		yes
<b>FMPA-approval</b>		yes
<b>Warranty</b>		12 month
<b>Other</b>		other temperature and air moisture measurement timber temperature and timber group display



**Prices:**

**Combo 200 including sliding hammer probe, wood temperature probe, software and carrying case**

**€ 740,00**

**Combo 200 building material set including Double needle probe, pin probes, brush probes, PC software And carrying case**

**€ 759.00**



**Type** :HDI-20-Scan

The HDI 20 Scan is a measuring instrument for non-destructive wood moisture measurement. It works according to the capacitive measurement principle. The measuring depth can be set at 7mm or 20 mm.

HDI-20_Scan	
<b>System</b>	microprocessor moisture measuring device
<b>Measuring principle</b>	Capacitive moisture measuring
<b>Application</b>	timber, hygroscopic materials
<b>Measuring accuracy</b>	0,5%
<b>Resolution</b>	0,10 %
<b>Measuring range</b>	2 – 60 % timber moisture
<b>Timber group adjustment</b>	By setting of specific weight between 300-1000 kg/m <sup>3</sup> with steps of 20 kg/m <sup>3</sup>
<b>Measuring depth</b>	7 or 20 mm
<b>Wood temperature</b>	0 - 45 °C
<b>Instrument Temperature range</b>	-25 +60 °C
<b>Dimensions</b>	163 x 88 x 26 mm
<b>Weight</b>	ca 200 g
<b>Battery</b>	9 V (6LR6)



**Price:**

**HDI-20-Scan**

**€ 259,00**

## BES Bollmann probes and accessories

	<p><b>Sliding hammer probe 2.0</b> With depth scale, 2 probes HY 2.01 HY 2.01 - 60 mm or HY 2.03 - 45 mm with teflon insulation for accurate depth measurement in layers incl. connection cable 1,2m <b>Application:</b> timber, timber products</p>	<b>€ 117,00</b>
	<p><b>Double needle probe - wood - HY 2.3</b> HY 2.01 - 60 mm HY 2.03 - 45 mm HY 2.02 – Surface Incl. connection cable 1,2 m. <b>Application:</b> timber, timber products</p>	<b>€ 71,00</b>
	<p><b>Double needle probe –building materials- HY 2.3B</b> HY 2.71 - 18 mm HY 2.72 - 35 mm HY 2.73 - 55 mm For surface and depth measurement. Incl. connection cable 1,2 m. <b>Application:</b> building materials, hygroscopic substances.</p>	<b>€ 71,00</b>
	<p><b>Temperature and humidity probe - HY 20</b> Ambient temperature and humidity measurement. Range RH 20 - 100 % ± 5 % RH. Range Temperature 10 - 80 °C ± 0,5 °C <b>Application:</b> Ambient temperature and RH with Combo</p>	<b>€ 230,00</b>
	<p><b>Wood temperature probe HY 15</b> Max. measuring depth 115 mm, in pre-drilled materials. Incl. connection cable 1,2 m <b>Application:</b> Wood (pre -drilled)and soft materials with Combo</p>	<b>€ 129,00</b>
	<p><b>Pin probe (pair) - HY 2.7</b> HY 2.71 - 18 mm HY 2.72 - 35 mm HY 2.73 - 55 mm For use in pairs with variable probe spacing For surface and depth measurement. <b>Application:</b> building materials, hygroscopic substances, coating and finishing layers.</p>	<b>€ 48,00</b>

	<p><b>Brush probe (pair) - HY 2.9</b></p> <p>With depth scale, for measuring depth up to 220 mm. In pre-drilled building materials with variable probe spacing</p> <p><b>Application:</b> building materials, especially concrete, bricks.</p>	€ 43,00
	<p><b>Surface temperature probe- HY 25</b></p> <p>Robust and water resistant. Length: 110 mm Range: - 50 - 150 °C incl. connection cable</p> <p><b>Application:</b> mainly for building materials (surface)</p>	€ 135,00
	<p><b>HY 2.01</b></p> <p>Needle electrodes with Teflon insulation. Length : 60 mm P.U.10</p> <p><b>Application:</b> HY 2.0, HY 2.3, H-DI und Combo <b>Minimum 10</b></p>	€ 31,60
	<p><b>HY 2.03</b></p> <p>Needle electrodes with Teflon insulation. Length : 45 mm P.U.10</p> <p><b>Application:</b> HY 2.0, HY 2.3, H-DI und Combo <b>Minimum 10</b></p>	€ 31,60
	<p><b>HY 2.02</b></p> <p>Surface electrodes for veneer. P.U.2</p> <p><b>Application:</b> HY 2.0, HY 2.3, H-DI und Combo</p> <p><b>Per set</b></p>	€ 11,50
	<p><b>Needles - HY 2.75</b></p> <p><b>Moisture measuring in soft (bulk) materials like shavings, chips, sawdust etc.</b> <b>Depth: up to 175 mm.</b></p> <p><b>Application:</b> HY 2.0, HY 2.3, H-DI und Combo</p> <p><b>Per set</b></p>	€ 23,00
	<p><b>Easy-Electrodes - HY 2.04</b> P.U.10</p> <p><b>Application:</b> Easy</p> <p><b>Minimum 10</b></p>	€ 11,00

	<p><b>HY 2.71</b> P.U.100 Steel nails 18 mm</p> <p><b>Application:</b> HY 2.0, HY 2.3, H-DI und Combo</p> <p><b>Per 100</b></p>	<b>€ 20,00</b>
	<p><b>HY 2.72</b> P.U.100 Steel nails 35 mm</p> <p><b>Application:</b> HY 2.0, HY 2.3, H-DI und Combo</p> <p><b>Per 100</b></p>	<b>€ 22,00</b>
	<p><b>HY 2.73</b> P.U.100 Steel nails 55 mm</p> <p><b>Application:</b> HY 2.0, HY 2.3, H-DI und Combo</p> <p><b>Per 100</b></p>	<b>€ 25,00</b>
	<p><b>Connection cable - HY 2.8</b></p> <p>Connection cable for probes HY 2.7 and HY 2.9,</p>	<b>€ 22,00</b>
	<p><b>Easy contact - HY 30</b> For destruction free moisture measuring wood and building materials ( surface)</p> <p><b>Application:</b> Easy</p>	<b>€ 20,00</b>

*Mentioned prices are net, without VAT and are ex works the Netherlands.*

*While we make every effort to ensure 100% accuracy the price list may contain errors and/or omissions and prices may be subject to change after publication. We reserve the right to invoice customers at the correct amount in such cases.*

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