

# B30 Concrete- Pavement moisture meter

For foorer, building expert, interior room outfitter, construction companies, architects etc.



**B30 shows the water content within seconds without any mortise workings**

- Measurement by the use of a new sensor technology
- No sample preparation necessary
- Measuring within seconds and thus saving of time

## Application:

- ☑ Time is money – optimize your building drying time
- ☑ Progress of drying up in a new building – rehabilitation
- ☑ Pavement drying up control for laying of floors
- ☑ non-destructive floor pavement moisture measuring method
- ☑ Fast and non-destructive locating of burst pipes
- ☑ Avoids development of mildew – live healthier



## Too high or too low moisture increases your costs!

- × easy non-destructive measurement
- × small, handy, precise, everywhere on the spot useable
- × measuring within seconds



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Get in contact  
with us  
or one of our retailers!

## General information about material moisture:



In the field of moisture measuring there are two kinds of moisture:  
Relative equilibrium moisture content and absolute moisture of material.



The relative equilibrium moisture content of a material indicates the relative moisture of ambient air counterbalancing the material. In this case the material does not absorb or release any moisture.



The absolute moisture of material indicates the percentage of water content of a material referred to the total weight (paper, grain,...) and with some materials (e.g. wood) referred to the dry mass.



Almost all materials in our surroundings are hygroscopic. This means that they soak up moisture from the surroundings or set moisture free.

## Everything depends on the content of moisture!



In case grain becomes mouldy or farmers dry wheat too long, they have to sell it at a lower price. The less moisture grain contains the lighter it becomes.



If, for example, two pieces of the same kind of material (e.g. wood) containing different levels of moisture are glued together, the pieces can break apart due to loss of moisture and shrinkage of one piece resulting from that loss. Who does not know those beautiful but shaky wooden floors as a result of loss of moisture?



Another example: Two pieces of leather, one containing a lot of moisture and the other with a moisture value adapted to the air, are sewed together. The effect is the same as the one above. The moist piece of leather releases moisture into the air while shrinking at the same time. As result you get is a wavy seam.



If grain or chips of wood are stored in a place that is too moist, they become mouldy, thus resulting in a considerable degradation of quality. There can also be problems in further processing or even a standstill of machines.



You buy water at a high product price, for example in coffee, paper etc. Or take biomass fuels for example where additionally the utilization ratio quite soon decreases by half with increasing water content.



Iron in reinforced concrete bridges rusts and Rembrandt's paintings in museums fade or get cracks.

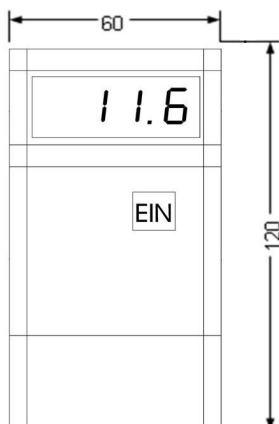
**In order to avoid these costly mistakes, moisture of materials in manufacturing and treatment processes must be checked in order to give you the chance to take suitable measures in time.**

Should you have any problems like the ones mentioned above or any other questions concerning moisture, please contact us: +43(0)3178/28899-0 – [office@schaller-gmbh.at](mailto:office@schaller-gmbh.at)

Order our brochure with our whole product range or our CD-ROM by fax, telephone or via e-mail! To be up-to-date regarding moisture measuring you can subscribe to our e-mail newsletter under [office@schaller-gmbh.at](mailto:office@schaller-gmbh.at).

## Application description for B30 concrete- pavement moisture meter

Der Wahlschalter muss auf die Position gestellt werden, die der vorliegenden Betonart am ehesten entspricht. Nun schalten Sie das Gerät durch einen kurzen Druck auf die Ein-Taste ein. Jetzt muss das Gerät mit der Messfläche nach unten, auf die zuvor gereinigte Messstelle gedrückt werden. Sofort zeigt das B30 die Estrichfeuchte am Display an.



### Technical data:

Measuring principal	Dielectric
Measuring range	0 to 5% (3%) depending on product
Measuring depth	30mm (max.)
Operation temperature range	5 to 35 °C
Power supply	9V compound battery
Automatically switch off	after ca. 90 seconds
Display	3-digit LCD
Resolution	0,1%humidity
Dimension	60*120*30mm
Weight	ca. 160 Gram