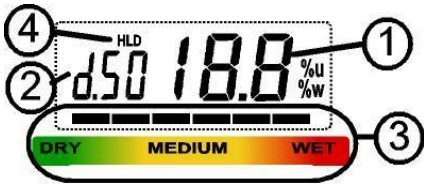


Short manual GMK 100 Capacitive moisture measurement

H68.0.01.6HC-01

1 Display Elements



- 1: Current moisture (%u) or water content (%w)
- 2: Active material characteristic (p.r.t. point 6 and 7)
- 3: Moisture rating DRY / WET
- 4: HLD - The measuring value is 'frozen' (hold-key)

2 Control Elements



- 1: **On/off key**
Press long: switch device off
Press shortly: activation of backlight
- 2: **sort up**
material selection: upwards
- 3: **hold**
Shortly: hold function (HLD displayed)
Press for 2s: **zeroing function**

2 + 3 together: **sort down** material selection: downwards

Depth switch:
(on the right side) **Sliding switch up: ca. 10 mm measuring depth (d 10)**
Sliding switch down: ca. 25 mm measuring depth (d 25)

3 Zeroing Function



use characteristic "rEF"
press hold button for 2s – at air

Please pay attention not to influence the zeroing function with your hands.
The best way to ensure this is shown in the left picture.

Note: There are two different zero points for both measuring depth 10 mm and 25 mm. You have to run the zeroing function for each depth separately.

4 Hold the Device

The water content of the hand influences the measuring value, if the device is inappropriately hold.
The best results will be obtained if you lay the device down or hold it the way as shown in picture 3



Picture 1: Hold in a wrong way!



Picture 2: laid down – right!



Picture 3: the right way!

5 Error and System Messages

Er. 1 = Value exceeding measuring range, value too high

Er. 4 = Value below display range, (value < 19 or < 1.9)

Er. 7 = System error – (device defective or not within working temperature)

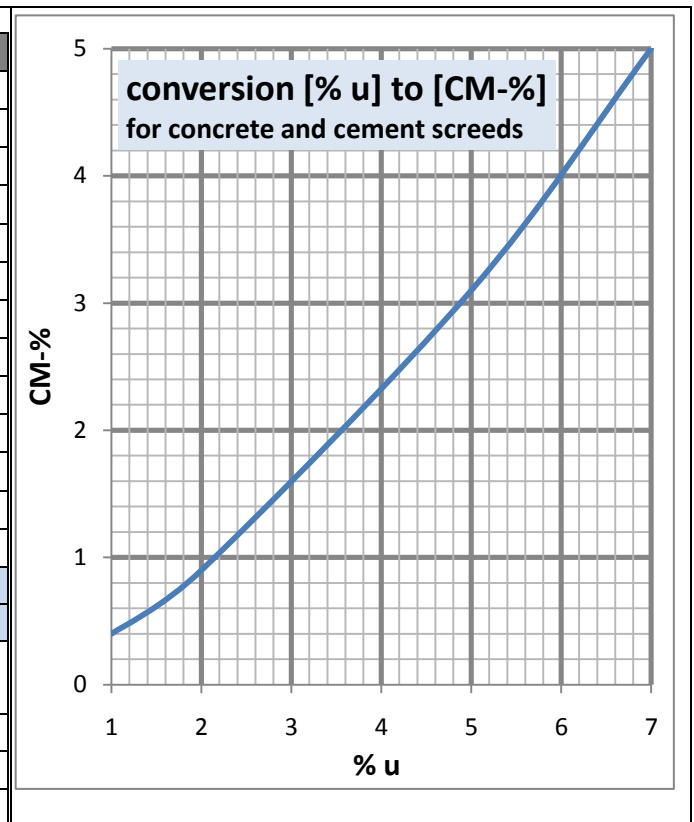


The blinking bAt display indicates low voltage, device will continue to work for short time.

bAt -- : Battery used

6 Characteristic

material		depth	
rEF	Reference characteristics		
d.45	Wood, density = 450 kg/m ³		
d.50	Wood, density = 500 kg/m ³		
d.55	Wood, density = 550 kg/m ³		
d.60	Wood, density = 600 kg/m ³		
d.65	Wood, density = 650 kg/m ³		
d.70	Wood, density = 700 kg/m ³		
d.75	Wood, density = 750 kg/m ³		
d.80	Wood, density = 800 kg/m ³		
d.85	Wood, density = 850 kg/m ³		
d.90	Wood, density = 900 kg/m ³		
d.95	Wood, density = 950 kg/m ³		
d.99	Wood, density = 1000 kg/m ³		
bEt	Concrete (density ≈ ca. 2.2t/m ³)	25 mm	
E.ZE	Cement screed (density ≈ 2.2 t/m ³)	25 mm	
E.ZC	Cement-calcium sulfate-flowing screed	25 mm	
E.An	Anhydrite screed	25 mm	
P.Gi	Gypsum plaster	10 mm	
P.2	Lime cement plaster	10 mm	



7 Wood types table

Abachi	d.45
Afzelia	d.75
Ash, American-	d.65
Ash, European-	d.65
Ash, Manchurian-	d.60
Balau, Bangkirai-	d.90
Balau, Red-	d.85
Beech, European-	d.65
Bintangor	d.65
Birch, White-	d.60
Birch, Yellow-	d.65
Bossè	d.55
Bubinga	d.85
Cedar, White	d.55
Cherry, Black-	d.60
Cherry, Wild-	d.55
Cypressus	d.45
Douglas-fir, Common-	d.50
Douka	d.65
Ebony	d.99
Elm	d.60
Fir, European Silver-	d.45
Fir, Grand-	d.45
Fir, Pacific Silver-	d.45

Fir, Red-	d.45
Gum, Sweet	d.50
Hemlock	d.45
Hickory	d.75
Iroko	d.65
Jarrah	d.75
Jelutong	d.45
Jequituba	d.70
Kapur	d.60
Karri	d.85
Larch, European-	d.55
Larch, Japanese-	d.55
Larch, Western-	d.55
Limba	d.50
Linden, American	d.45
Linden, Common-	d.50
Locust, Black-	d.70
Magnolia, Cucumber-	d.50
Mahogany	d.50
Mahogany, African-	d.50
Mahogany, Philippine-	d.50
Maple, New Guinea	d.55
Maple, Sugar-	d.70

Maple, Sycamore-	d.55
Mengkulang	d.65
Meranti, Dark Red-	d.65
Meranti, White-	d.55
Meranti, Yellow-	d.55
Merawan	d.70
Merbau	d.75
Mersawa	d.60
Messmate	d.80
Oak, Northern Red-	d.65
Oak, Sessile-	d.65
Oak, Sawtooth-	d.65
Oak, White-	d.65
Olive	d.85
Padouk, African-	d.70
Paldao	d.65
Pine, Black-	d.50
Pine, European Black-	d.55
Pine, Loblolly-	d.50
Pine, Lodgepole-	d.45
Pine, Longleaf-	d.60
Pine, Maritime-	d.50
Pine, Norway-	d.45

Pine, Parana-	d.50
Pine, Ponderosa-	d.45
Pine, Radiata-	d.50
Pine, Scots-	d.50
Pine, Sugar-	d.45
Poplar, Black-	d.45
Redcedar, Western-	d.45
Rengas	d.60
Rimu	d.50
Redwood, California-	d.45
Rosewood, Brazilian	d.85
Rosewood, New Gui.-	d.55
Rubber Tree	d.50
Sapele	d.65
Sipo	d.60
Spruce	d.45
Spruce, Sitka-	d.45
Tiama	d.55
Teak	d.65
Torem	d.95
Tualang	d.80
Walnut, Eastern Bl.	d.60
Walnut, Common-	d.60
Wenge	d.80