

Concrete moisture meter

The CM 1700 Concrete moisture meter is a non-destructive moisture meter for concrete. By means of measuring the electrical impedance the moisture content of concrete can easily be determined by just pressing the instrument against the concrete surface.

The electrical impedance is measured through generating a low frequency electric field between 8 electrodes at the bottom of the instrument. Depending on the moisture content the measurements are made to a depth of several centimetres.

This system is not suitable to measure through electrically conductive materials like metal or rubber linings or wet surfaces.

CM 1700 Concrete Moisture meters are ideal to quickly test large concrete floors or constructions which have to be painted or where (wooden) floorings are being installed.

Four **scales** allow flexible use of the instrument as an accurate measuring device or just as a detector to find moisture traces or leakage.

- Concrete 0-6% H₂O
- Gypsum 0-10%
- ~ Carbide Method 0-4% H₂O
- Relative Scale 0-100%
- ~ 15. Scale 0.3-15.3m

Convenient features such as a “max-hold” for hard to reach places and “auto-switch off” are integrated.



Specifications


- Dimensions: 147x89x33mm
- Power supply: 2xAA battery
- Average working time on one battery set : 20 hours
- Display: monochrome 128x64 pixels, size 61x33mm with backlight
- Operating temperature range: 5°C to 40°C
- Accuracy: ±0.5%

Scope of supply

Ref. 0809200 CM1700 Digital – Concrete Moisture Meter. (Concrete moisture meter, soft pouch, manual).

Use

Press the meter against the tested Surface until all spring electrodes are completely

 **! Caution:** Do not press the device too intensely as this may harm the electrodes.

! Caution: Fingers SHOULD NOT touch the sensor plate and electrodes while measuring.

The meter should be hold in the middle while measuring (as shown on the picture).

It is recommended to repeat the measurement in a few points situated next to each others as humidity has a tendency of uneven distribution. If the measurements vary, only the highest outcomes should be used.

To switch off the meter press ON/HOLD button for around 2 seconds.

