

TQC CONCRETE MOISTURE METER

LI9200

DATASHEET

PRODUCT DESCRIPTION

The TQC 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.

TQC 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:

1. *Concrete 0-6% H₂O*

Concrete scale may be used only for concrete surfaces. It shows the relation between weight of pure water contained in the tested material with its dry weight. The scale range varies between 0 and 6% as 6% is about maximal physically possible content of water in the concrete.

The obtained results should not be confused with moisture emission or any other humidity measurement methods.

2. *~ Carbide Method 0-4% H₂O*

Carbide scale shows concrete humidity according to the carbide method.

3. *Relative Scale 0-100%*

Relative scale may be used in humidity level comparison of various materials. Obtained results should not be interpreted as percentage content of water in tested surfaces. There is no linear correlation between the outcomes and relative humidity. The scale should be used only as comparison technique. Scale may be used on the surfaces where direct contact with pure concrete is impossible because of some layer/covering.

4. *~ 15. Scale 0.3-15.3^m*

15. Scale works in a similar way as the Relative scale and can be used alongside meters with the same scale, which ranges between 0.3 and 15.3.

**BUSINESS**

Coating industry, painter, wholesale

FEATURES

- easy-to-use
- ideal for a quick test
- non-destructive
- normal and max. hold-mode
- 4 available scales
- auto turn-off

SCOPE OF SUPPLY

- concrete moisture meter
- soft pouch
- manual

ART NO.

LD9200 TQC Concrete moisture meter

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%
Scales:	Concrete, Carbide Method, Relative Scale, 15. Scale

USE

Press the meter against the tested surface until all spring electrodes are completely blocked.

! 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 held 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 other 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.



SPECIAL CARE

- Though robust in design, this instrument is precision-machined. Never drop it or knock it over
- Always clean the instrument after use.
- Clean the instrument using a soft dry cloth. Never clean the instrument by any mechanical means such as a wire brush or abrasive paper. This may cause, just like the use of aggressive cleaning agents, permanent damage.
- Do not use compressed air to clean the instrument.
- Always keep the instrument in its case when not in use.

DISCLAIMER

The right of technical modifications is reserved.

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