

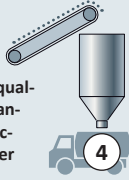
SONO-WZ

Fresh Concrete Moisture

More information:
www.imko.de



Fresh concrete quality control guaranteed by manufacturer or customer



Mobile moisture measurement in fresh concrete

Guarantee quality from the concrete plant to the construction site

- All conventional and flowable concretes can be reliably checked for water content.
- Simple measurement in the shortest time, without laboratory equipment.
- The measured value is available before the truck mixer has even unloaded.
- Simple handling, minimum maintenance and maximum reliability thanks to TDR technology.
- Wear does not require recalibration.

Quality control on site

Even after the concrete has left the plant for the construction site, further controls are both sensible and necessary. Various factors can affect the quality of the concrete and its water content.

Was the truck mixer really completely empty after it was last cleaned or was there residual water in the mixing drum? Has there been heavy rainfall or has the vehicle been stuck in traffic? Something may have been added to make the consistency less stiff.

This is where the SONO-WZ system becomes the ideal addition to day-to-day operations. A concrete sample can be measured in no time at all and the water content checked, whether in the concrete plant or later before installation on the construction site. Even the recipe composition can be checked in its consistency by the sensor signal attenuation.

With the SONO-WZ, you can now determine the water content of the concrete before the fresh concrete is applied rather than finding out 30 minutes later, after it has dried, that the concrete you applied was too moist.



The ideal products

Description

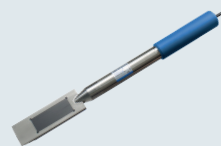


SONO-DIS

Robust battery-powered mobile display unit for the SONO-W/Z and SONO-M1 moisture probes.

Strong, weather-resistant IP67 aluminum housing.

Size: 150 x 64 x 36mm



SONO-W/Z

Robust mobile moisture probe for measuring water content in fresh concrete.

Sensor: 154 x 60mm (length x width)



SONO-M1

Mobile moisture probe for [sand](#), [gravel](#), [crushed stone](#) and [expanded clay](#).

Probe with integrated TDR electronics. The probe has a diameter of 64mm and uncoated rods with a rod length of 130mm.



Complete SONO-DIS measurement carrying case set with SONO-W/Z

The set comprises:

- SONO-DIS display unit
- SONO-W/Z moisture probe
- AC adapter (12 V/2 A)
- Travel plug adapter for various countries



Complete SONO-DIS measurement carrying case set with SONO-W/Z and SONO-M1

The set comprises:

- SONO-DIS display unit
- SONO-W/Z moisture probe
- SONO-M1 moisture probe
- AC adapter (12 V/2 A)
- Travel plug adapter for various countries



Accredited testing
laboratory
according to DIN EN
ISO/IEC 17025

"After taking more than 150 measurements, we have become so confident in the results produced by the SONO-WZ that, unless otherwise explicitly prescribed by the standard, we no longer carry out comparative Darr tests within the scope of our FPC. The use of the SONO-WZ has simplified our work considerably and is saving us a significant amount of time."

Vladimir Naumann, Test Center Manager,
mbl Mineral- und Betonlabor GmbH, Germany

B | A | S Research & Technology

A renowned research and information institute for the construction sector specializing in concrete and the asphalt industry has subjected our products to intensive examinations:

"With a specialization in concrete and state-of-the-art laboratories, we tested the SONO-WZ in the most diverse range of concrete types with different cement types, whereby successful tests were also carried out at both low and high concrete temperatures. In order to work around errors in a Darr test, we created all mixtures with dry aggregates. We were impressed by the consistency with the wz values of our concrete formula, which were measured with the SONO-WZ by way of comparison."

Wilko van der Meer, Managing Director
B I A S Research & Technology, Netherlands