RAPID RH 4.0

Fast, Accurate Moisture Test for Concrete Floors

The Rapid RH® 4.0 product line is the fastest, most cost effective and simplest way to meet ASTM F2170, "Standard Test Method for Determining Relative Humidity in Concrete Floor Slabs Using *in situ* Probes."

Rapid RH® 4.0 Complete Starter Kit

All-in-one convenient carrying case includes everything you need to conduct several Rapid RH® 4.0 tests.

INCLUDES:
- 5 Smart Sensors
- Rapid RH® 4.0 *Easy Reader*
- ¾" SDS Masonry Drill Bit
- Wire Cleaning Brush
- Vacuum Attachment
- Carrying Case

Rapid RH® 4.0 Smart Sensor & *Easy Reader* Pack

Already have the tools from our starter kit? This package provides the sensors and *Easy Reader* ready to conduct fast, accurate RH tests.

INCLUDES:
- 5 Smart Sensors
- Rapid RH® 4.0 *Easy Reader*

Rapid RH® 4.0 Smart Sensor Pack

The Rapid RH® 4.0 Smart Sensor Pack is for those who already have a Rapid RH® 4.0 *Easy Reader*.

INCLUDES:
- 5 Smart Sensors

Need more sensors? Check out our bulk packaging and save. Visit RapidRH.com or your local distributor for more information.

Online Resources

Learn more at www.RapidRH.com

Articles
Find the most current and relevant articles written by industry experts on relative humidity.

Videos
Our video library includes a complete Rapid RH® 4.0 installation demonstration, plus information and training video by Howard Kanare, Senior Principal Scientist at CTLGroup, an independent subsidiary of the Portland Cement Association.

Technical Information
Access additional technical information about the latest in moisture testing for concrete.

FAQs
Got questions? Check out our FAQ reference online or call us if you have additional questions.

Product Information
Quick access to the Rapid RH® 4.0 installation manual and jobsite documentation online.

Social Media
Rub elbows with installers and industry leaders on our **Facebook, Twitter** and **Forum** pages**.** Learn what others are saying and join the discussions.

For more resources
visit www.RapidRH.com or call 1.800.634.9961

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WAGNER METERS
World Leader in Moisture Measurement Technology

MADE IN U. S. A.

502-R0004-001

RAPID RH 4.0
Fast, Accurate Moisture Test for Concrete Floors
PATENT & PATENTS PENDING

WAGNER METERS

INTRODUCING

The new ***Easy Reader*** with Touch-n-Sense™ TECHNOLOGY

Rapid RH® 4.0 now features our patent pending **Touch-n-Sense™** technology. Simply insert the *Easy Reader* into any test hole with a Rapid RH® 4.0 Smart Sensor installed, and the two interact on contact. Once the reading has been taken, the reading on the *Easy Reader* will continue to display for up to 5 minutes after being removed from the test hole, simplifying the testing and recording process at the job site.

It's fast, it's accurate, and it's never been easier.

CLEARLY Superior

Now more than EVER!

✓10 Times Faster

The Rapid RH® 4.0 patented design equilibrates faster than any other concrete relative humidity sensing device. In most cases, a Rapid RH® 4.0 Smart Sensor will be within 3% of the final reading (at 72 hours according to ASTM F2170) one hour after the installation.

✓Lowest Cost Per Test

The time saving alone gained with the Rapid RH® 4.0 leads to lower costs for you. But the Rapid RH® 4.0 also has a much lower initial investment than other relative humidity measurement options in the marketplace. So the Rapid RH® 4.0 saves you money IMMEDIATELY.

✓Simplest to Use

The Rapid RH® 4.0 method is simple and quick. To obtain readings, just insert the compact Rapid RH® *Easy Reader* into an installed Smart Sensor and get a reading that anyone on the jobsite can take. And the Rapid RH® 4.0 *Easy Reader* now features Touch-n-Sense™ Technology. On contact with any 4.0 Smart Sensor, the *Easy Reader* turns on, takes a reading, holds the reading for up to 5 minutes after it is removed from the Smart Sensor, then powers down – all automatically!

✓Easiest to Comply with ASTM F2170

Once placed in a test hole, the Rapid RH® 4.0 Smart Sensor is not moved in and out, unnecessarily handled and is always equilibrated. Each test location has a newly calibrated, NIST*-traceable Smart Sensor. This means compliance with ASTM F2170 requirements of traceability and documentation comes built in with each Rapid RH® 4.0 test.

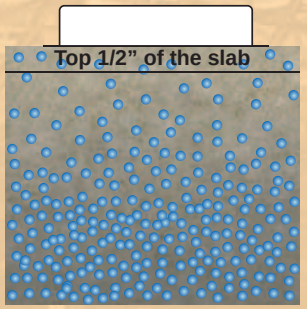
With the Wagner Rapid RH® 4.0, you get accuracy and peace-of-mind.

*National Institute of Standards and Technology

Why it is crucial to measure the moisture below the surface of the slab

Limits of Calcium Chloride Testing

The calcium chloride test measures the moisture vapor emission rate coming from a concrete slab. However 90% of moisture vapor emissions that a calcium chloride test sees comes only from the top half inch of the slab. Once a floor covering has been installed and drying has stopped, the slab will equilibrate and evenly distribute the moisture from top to bottom.

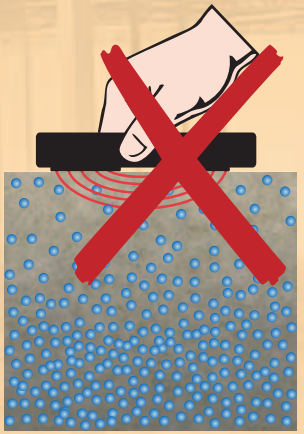


Calcium chloride is therefore only a surface test, highly affected by ambient conditions in the room or building. Even if done correctly, a calcium chloride test tells you nothing about what's going on deeper in the slab.

Dangers of Moisture Meters

As with calcium chloride tests, testing with concrete moisture meters is also surface-biased. At best they only measure 3/4" into the depth of the concrete.

In addition, concrete moisture meter accuracy is negatively affected by the density variability of the concrete as well as the varying chemical and aggregate composition.



There is no ASTM standard for using moisture meters as a final determination of whether a concrete slab is ready for a floor covering.

Moisture meters should NEVER be used to make the final determination as to whether or not a concrete slab is dry enough for a flooring installation.