

Cementometer™



Test Well. Build Well.

A microwave meter for rapid determination of moisture content in wet cement and concrete

Product Information

The **James Cementometer™** represents a break-through in modern moisture measurement technology. By utilizing the latest microwave and microprocessor science, the **Cementometer™** can determine the moisture content of freshly mixed cement, concrete, and mortar. Simply insert the prongs of the probe into the material to be measured and instantaneously the water cement ratio is shown on the easy to read display.

The **Cementometer™** Microwave moisture meter uses a two prong sensor to measure the complex dielectric constant of the material in contact with the prongs. As the dielectric constant of water is four to eight times greater than most aggregates and cements, changes in water content directly effect the sensor output. An average of five to ten readings is normally taken in order to ensure a valid reading. This output is then converted by the integrated microprocessor and moisture content is displayed directly.

Two units are available to encompass the full range of water cement ratio's found in wet concrete. The **Cementometer™ Type R** handles normal water/cement ratios with its two prong probe. The range of this instrument is approximately 0.35 to 0.65 water/cement. **Cementometer™ Type L** handles low water/cement ratios with its five prong probe. The range of this instrument is approximately 0.25 to 0.4 water/cement.

The units come calibrated for standard type I, II, and III cements. It can also be programmed with up to ten different mix design by the user. For highest accuracy, the user should program the unit for the material being used. The **Cementometer™ Type R** has simple to use calibration process that rapidly creates the user programs without the need for external computing devices. Finally, the **Cementometer™** can store over 150 readings. Storage is complete with the time and date for future reference. Data can be recalled via USB interface to a personal computer running the **James Cementometer™** software.



Features & Benefits

- Fast and easy to use; simply insert the prongs into the material being tested
- Accurate
- Completely Portable
- Full range of water cement ratio's Instantaneous readings

Strength

Locators

Ultrasonics

Corrosion

Moisture

Cementometer™



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Cementometer™ Type R

handles normal water/cement ratios with its two prong probe. The range of this instrument is approximately 0.35 to 0.65 water/cement.

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www.NDTjames.com

email: info@NDTjames.com

800-426-6500 • 773-463-6565

3727 N. Kedzie Ave., Chicago, IL 60618-4545, USA

www.NDTjames.eu

email: europe@NDTjames.eu

+31 (0)548 659032

Windmolen 22, 7609 NN Almelo, The Netherlands

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Cementometer™ Type L

handles low water/cement ratios with its five prong probe. The range of this instrument is approximately 0.25 to 0.4 water/cements.



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Specifications

T-C-10 – Cementometer™ Type R (for regular water cement ranges)

Water/Cement Ratio Range	approx. 0.35 to 0.65
Power	4AA Batteries
Display	2x16 Char. Trans - reflective
Data Link	USB
Weight	approx. 4 lbs (1.8 kgs)



T-C-20 – Cementometer™ Type L (for low water cement ranges)

Water/Cement Ratio Range	approx. 0.25 to 0.4
Power	4AA Batteries
Display	2x16 Char. Trans - reflective
Data Link	USB
Weight	approx. 4 lbs (1.8 kgs)



Sales Numbers

T-C-10 Cementometer™ Type R Complete, for Normal Range Water/Cement Ratios

T-C-20 Cementometer™ Type L Complete, for Low Range Water/Cement Ratios

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