

# Large Speedy 2000 Moisture Meter

## Speedy Moisture Tester for Roads, Aggregates, Sand and Concrete Over 10 000 used by USA Highway Dept



The New Speedy 2000 series of moisture testers combines time proven dependability of the calcium carbide pressure test procedure with the convenience of an electronic balance.

Knowledge of the moisture content of soils and construction materials is of great importance to engineers involved with the construction of roads, bridges and other civil structures. Throughout the world, the **Large Speedy moisture** tester is used by **Civil Engineers** on construction sites to establish the percent moisture content (%MC) of these materials before the actual construction work commences.

The Speedy moisture tester is a portable-sampling instrument used to determine the moisture content of a broad range of materials. It comprises a hand held cast aluminium vessel incorporating a pressure gauge and a precision balance, mounted in an integral carry case.

### Features include:

- requires no power source
- does not need to be calibrated for different soils
- the 6 step test is easy & takes about 3 min
- safe to use
- no requirement for a user license
- portable, robust and accurate
- endorsed by many international official bodies

Moisture measurements are obtained by following a simple test procedure:

- Prepare and weigh the material sample using the electronic balance.
- Place the sample in the Speedy vessel.
- Add the reagent to the recess in the Speedy cap and seal the vessel.
- Shake the Speedy to mix the reagent with the sample.
- Read moisture content directly from the integral calibrated pressure gauge.



### Roads and Highways

Knowledge of the moisture content of soil is crucial throughout geotechnical engineering practice. Engineers use the Speedy for field control of compacted earth embankments and other structures and to measure the water content of soil to ensure it is within specified ranges. The Speedy moisture tester is ideal for this, being accurate, robust and simple to use.

### Aggregates, Sand and Concrete

The Moisture content of freshly mixed concrete affects the workability, blending, segregation, strength and drying rate of the finished product. The Speedy tester is an ideal on-site quality control tool. Moisture levels of aggregates and sand can be checked prior to use to ensure that the correct amount of water is added when mixing with cement. The moisture content of ready-mix cement concrete can also be checked, to ensure it is in specification.

**The Speedy is not suitable for products containing : copper (forms explosive copper acetylate), acetone (absorbs acetone), some disinfectants, plastic granules. Request List of >100 products**

### Technical Specifications & Packing List

Large Speedy vessel fitted with calibrated pressure gauge, electronic balance (0 – 200g), heavy duty water & shockproof carry case with fitted foam inserts, cleaning brush & cloth, 2 steel sample-pulverising balls, measuring scoop, instructions.

Nominal gross weight: 6kg  
 Nominal gross dimensions: Width 365 mm x Height 205 mm x Length 490 mm  
 Maximum sample size: 20mm

<u>Code</u>	<u>Model</u>	<u>Moisture</u>	<u>Gauge Div.</u>	<u>Sample Weight</u>
L-2000-C	Large C	0 - 10 %	0.1%	40 gram
L-2000-D	Large D	0 - 20 %	0.2%	20 gram
L-2000-G	Large G	0 - 50 %	0.5%	8 gram

**Used by :**  
**Iscor &**  
**Civil Engineers**

**NB: The Calcium Carbide Reagent used with the Speedy testers must be ordered separately. Available locally.**



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