

Cement - Setting Time and Flow



Concrete Mortar Penetrometer

- ◆ Direct-reading scale from 0 to 700 psi.
- ◆ Indicator sleeve holds reading until released.
- ◆ Lightweight, pocket-size design.
- ◆ Includes convenient belt-loop style, canvas carrying case.

The Concrete Mortar Penetrometer is used for field and laboratory evaluations of the initial set of concrete mortars.

The test involves forcing the penetrometer's shaft into the mortar to a depth of 1" (25.4 mm) at constant rate and time intervals. The resistance in psi is shown on the penetrometer's direct-reading scale.

Specifications	
Shaft Needle.	Steel; 1/20 sq. in. surface area.
Range.	0 to 700 psi.
Scale.	Direct-reading; indicator sleeve holds reading until released.
Dimensions.	3/4" (19 mm) diam. x 7" (178 mm) long.
Carrying Case.	Canvas, with belt-loop.
Weight.	Net 8 oz. (227 g).

Ordering Information

EI38-2695.



10" (254 mm) Flow Table

ASTM C-87, C-109, C-185, C-230, C-243, C-348; AASHTO T-71, T-106, T-137.

- ◆ Cast-bronze table for corrosion resistance and long life.
- ◆ Heavy-duty frame construction.
- ◆ Supplied complete with bronze flow mold.

The Flow Table is designed in accordance with ASTM and AASHTO specifications for use in determining the flow of hydraulic cement mortars and cement pastes.

In operation the test specimen is molded on the table to a specified volume and shape. With the mold removed, the table is dropped a specified number of times. Upon completion of test, the flow, (or increase in average diameter) is measured.

Specifications	
Table.	Cast-bronze; 10" (254 mm) diam.; combined weight with shaft, 9 lbs. ±0.1 lb. (4.1 ±0.05 kg).
Frame.	Heavy-duty construction with cam; produces a 1/2" (12.7 mm) table drop.
Overall Dimensions.	10" (254 mm) diam. x approx. 10" (254 mm) h.
Flow Mold.	Machined bronze; 2-3/4" (69.8 mm) top i.d. x 4" (101.6 mm) base i.d. x 2" (50.8 mm) h.
Weights.	Net 22 lbs. (10 kg).

Ordering Information

Includes Flow Mold.

EI38-6002. Hand-operated.

Accessories

EI38-6080. Flow Caliper.

Replacement Parts

EI38-6040. Flow Mold.

