

## CONCRETE PENETROMETER

**STANDARDS: ASTM C403, AASHTO T197**

Used to determine the setting time of the mortar fraction in concrete mixes with slump greater than zero, by testing mortar sieved from mix.

The apparatus consists of a spring penetrometer (capacity 100 Kgf, precision 1 Kgf) and six interchangeable stainless steel needle pointers of 16-32-65-160-325-650 mm<sup>2</sup> area.

A sliding ring indicates the reached load on the handle of the penetrometer.

Supplied complete with carrying case.



### Technical Specifications

Product Code	Product Name	Dimensions (cm)	Weight (kg)
LT-C0025	Concrete Proctor Penetrometer	45x16x7	3
LT-C0025/1	Penetrometer Needle Set	---	---

## CONCRETE POCKET PENETROMETER

**STANDARDS: ASTM C403, AASHTO T197**

Used for the evaluation of the initial set of the concrete mortar for field and laboratory use.

The penetration plunger has a tip area of 32 sq/mm. The plunger graduated 0,5 MPa.



### Technical Specifications

Product Code	Product Name	Dimensions (cm)	Weight (kg)
LT-C0028	Concrete Pocket Penetrometer	2,5x1,5x21	0,400

## AIR ENTRAINMENT METER 7 LITRES CAPACITY

**STANDARDS: EN 12350-7, ASTM C231 TYPE B, AASTHO T152**

The apparatus is used to determine air content of fresh concrete.

It consists of an aluminum cylindrical vessel with airtight cover assembly incorporating an air pump, a precision pressure gauge 90 mm dia. and valves.

Capacity is 7 lt and Air content range is 0 - 100%.

Lightweight, compact and durable, this meter allows quick clamping system and testing with few pump strokes.

It is not affected by change in atmospheric pressures.

The meter measures up to 22% entrained air.

Direct pressure gauge reading to the nearest 0.1% up to 6%, 0.2% from 6 to 8% and 0.5% from 8 to 10%.

The container can be used also for unit weight measures of fresh concrete and aggregates.

The instrument can be calibrated and it is supplied complete with Tamping Rod and Straight Edge.

Carrying Case should be ordered separately.

### Technical Specifications

Product Code	Product Name	Dimensions (cm)	Weight (kg)
LT-C0070	Air Entrainment Meter	25x26x52	10
LT-C0070/1	Manometer	11x14x5	0,700
LT-C0070/2	Tamping Rod	Ø 1,6x60	0,95
LT-C0070/3	Straight Edge	30x3x0,3	0,200
LT-C0070/4	Carrying Case	30x31x62	6

