



AIR ENTRAINMENT METER - MATEST MADE

5 AND 8 LITRES CAPACITIES

STANDARDS: EN 12350-7 | ASTM C231 TYPE B

This apparatus, designed by Matest, determines the percentage of air contained in a fresh concrete mixture in accordance with a pressure-equalization process.

The device features an aluminium pressure chamber where air pressure is generated by an integrated pump (manual or electric). Upon opening a release valve, the system achieves pressure balance with the test pot, filled with fresh mortar or concrete.



C197-01M



C196M

■ MAIN FEATURES

- Hand-operated or electric pump to generate pressure in the chamber.
- Two valves for pressure release and precise adjustments.
- 5 and 8 litres capacities available.
- User-friendly manometer for an easier machine calibration.
- Supplied complete with plastic tubes for calibration procedure.
- Durable, stainless-steel latches ensuring the lid hermetically seals onto the test pot.

AIR CONTENT RANGES AND RESOLUTION

Entrained air volume (%)	Subdivisions
0 - 5	0.1
8 - 15	0.5
15 - 20	1.0
20 - 50	5.0
50 - 100	10.0

WHY AIR ENTRAINMENT METER?

The air content in fresh concrete is a critical parameter for assessing concrete's behaviour when exposed to weathering and for monitoring changes in air content resulting from the application of chemical additives to enhance workability.

DETAILS MAKE THE DIFFERENCE



The manometer allows you to read the percentage value of air trapped in the sample.



Stainless steel and resistant latches allowing the lid to be hermetically sealed on the test pot.



Opening-closure valves for air-water inlet and outlet.



Sturdy hand pump for generating pressure into the chamber. Buttons for pressure release and precise adjustments.

AVAILABLE MODELS

C196M	Air Entrainment Meter, 8 litres capacity, hand-operated
C197M	Air Entrainment Meter, 8 litres capacity, electric-operated
C196-01M	Air Entrainment Meter, 5 litres capacity, hand-operated
C197-01M	Air Entrainment Meter, 5 litres capacity, electric-operated
E027M	Air Entrainment Meter for cement, 1 litre capacity, hand-operated
E028M	Air Entrainment Meter for cement, 1 litre capacity, electric-operated

RECOMMENDED ACCESSORIES FOR AIR ENTRAINMENT METER CALIBRATION

C196-11	PLEXIGLASS DISC Ø 230 mm, 5 mm thick
V098-05	MEASURING CYLINDER 500 ml
V120-02	PLASTIC WASH BOTTLE 500 ml
V195	RUBBER MULLET