

DATA SHEET

Oxygen Permeameter. Cembureau Method



58-E0031

General description

This method, which is applicable to cast and cored concrete specimens, concerns the determination of the concrete permeability to oxygen conforming to the Hagen-Poiseuille relationship.

The apparatus consists of:

- Permeability cell for specimens 150 mm dia, 50 mm high
- Volumetric gas flow meter, soap bubble type
- High precision pressure regulator
- Digital readout unit and pressure transducer
- Stainless steel wall mounting panel and connections

Compressed oxygen cylinder fitted with pressure reducer (with outlet pressure from 5 to 10 bar (max outlet pressure not more than 5 bar) not included

Standards

- UNI 11164

Specifications

Overall dim. and weights:

Panel (lxhxd) 700x1100x120 mm. Weight 14 kg

Cell (dia.xh) 345x80 mm. Weight 19 kg

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58-E0031 Detail of permeability cell

Products

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Oxygen permeability apparatus for concrete. Cembureau method. Conforming to UNI standard Oxygen cylinder not included