



Product Code

- UTCM-0280 Automatic Blaine Air Permeability Apparatus
110-230V, 50-60 Hz, 1ph
UTCM-0242 Manometer Liquid 250 ml
UTCM-0243 Cell with Perforated Disc and Plunger
UTCM-0244 Filter Paper 100 pcs.
UTCM-0245 Filter Paper 1000 pcs.
UTCM-0246 Reference Cement 5 g, ASTM
UTCM-0282 Reference Calibration Sand-Fine, Approx.100g
UTCM-0284 Reference Calibration Sand-Coarse, Approx.100g

Standards

EN 196-6; ASTM C204; BS 4550; AASHTO T153

The UTCM- 0280 Blaine Air Permeability Apparatus is used to determine the fineness of Portland cement, limes and similar powders expressed in terms of their specific surface. The fineness of cement is measured as specific surface by observing the time taken for a fixed quantity of air to flow through a compacted cement bed of specified dimensions and porosity. The method is comparative rather than absolute and therefore a reference sample of known specific surface is required for calibration of the apparatus.

Main Features

- The apparatus has a touch screen control unit on board
- The test is controlled on the touch screen.
- Automatic control of the movement of fluid until the upper mark
- Automatic measurement of the air flow time
- Automatic measurement of temperature during the test
- U Manometer mounted on metal body
- Complete set with glass fittings, test stand, pump motor, software cell (with perforated disk and piston), plastic funnel and 100 pieces of filter paper.
- The piston is able to enter freely into the cell, and the distance between the bottom face and the top face of the perforated disk (15 ± 1) mm when the cap sits on the upper surface of the cell cylinder
- Including stainless perforated disk with 30-40 holes with a diameter of 1 mm.

Reference Cement and Reference Calibration Sands should be ordered separately.



UTCM-0280



UTCM-0280 is supplied complete with;

- Manometer Liquid, 250 ml
- Cell with Perforated Disc and Plunger (with UTEST Certificate of Cell And Plunger Dimensions for Calculation of Cell Specimen Volume)
- Plastic Funnel
- Filter Paper, 100 pcs

Dimensions	250x410x440 mm
Weight (approx.)	10 kg