

WATER IMPERMEABILITY TESTER

Standard: EN 12390-8, ISO 7031, UNI 9533

Product Code: 101-C0031-xx

MatCivTest
MATERIAL CIVIL TEST EQUIPMENT

Water Penetration Under Pressure—Product Code 101-C0031

Standards: EN 12390-8, ISO 7031, UNI 9533

Determining the resistance of concrete against water penetration is essential for evaluating durability, quality, and long-term performance.

BESMAK Impermeability Test Sets are designed to measure the depth of water penetration in hardened concrete specimens under controlled pressure conditions in accordance standards.

Options available in 3, 6, and 12 station configurations.

101-C0031-50	PERMEABILITY, CONCRETE WATER, 3 STATION
101-C0031-51	PERMEABILITY, CONCRETE WATER, 6 STATION
101-C0031-52	PERMEABILITY, CONCRETE WATER, 12 STATION

These systems provide accurate and reliable testing for construction laboratories, universities, research centres, ready-mix concrete producers, and quality control facilities.

Glass measuring flasks for Quantitative Measurement Equipment:

Testing Capacity:

- Suitable Specimens Cubes:
150×150×150 mm
200×200×200 mm
- Suitable Specimens Cylinder:
Ø100×200 mm
Ø150×300 mm
- Pressure Adjustment: Up to 8 bar
- 0.2 bar accuracy
- Pressure Display: Pressure gauge

Excluded

- Air Compressor: To be ordered separately



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STANDARD EN 12390-8

**101-C0031-20 PERMEABILITY, CON-
CRETE WATER, AUTOMATIC TESTER 30
STATION**

**101-C0031-30 PERMEABILITY, CON-
CRETE WATER, AUTOMATIC TESTER 36
STATION**

AUTOMATIC DATA LOGGING MACHINE

It is suitable for testing concrete impermeability level, penetration depth and relative permeability coefficient.

The equipment does not require any sealing materials during the test, it can automatically seal, pressurize, maintain constant pressure, timing, determine leakage, save data, demould, and monitor in real time.

2 models available 30 and 36 Station.

FEATURES

- Simple operation, stable performance and reliable results.
- No other sealing materials are required, the device seals automatically.
- 15-inch touch screen for operation.
- Automatically generate test reports. Supports export of original records (data storage time capacity = 5 years). Data can be uploaded to the user's testing platform system, and report templates can be customized.

SPECIFICATION

Pressurization method: Bottom-up

Relative error: $\pm 0.005\text{MPa}$

Pressure resolution: 0.001MPa

Maximum pressure: 1.2MPa

Constant pressure error: Step-by-step pressurization method: $\pm 0.005\text{MPa}$ / Penetration depth method: $\pm 0.005\text{MPa}$

Specimen sealing method: Enhanced airtight seal, all specimens can be sealed at the same time, total sealing time = 5min

Specimen sealing material: Special high pressure resistant, wear-resistant material, not easy to be damaged

Maximum sealing pressure: 2.0MPa

Sealing pressure resolution: 0.001MPa

Display: 15-inch touch screen for operation and status display

Specimen size: $175 \times 185 \times 150\text{mm} \pm 2\text{mm}$

Specimen capacity: 30 specimens

Lifting drive mode: Servo motor drive

Power supply: 220V 50Hz

Dimensions: $2450 \times 920 \times 1950$ (5 or 6 levels of product)



www.matcivtest.com.au - visit for links to our stock range

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