

Poroscope™

PROMAT

YOUR SOLUTION TO TESTING INSTRUMENTS

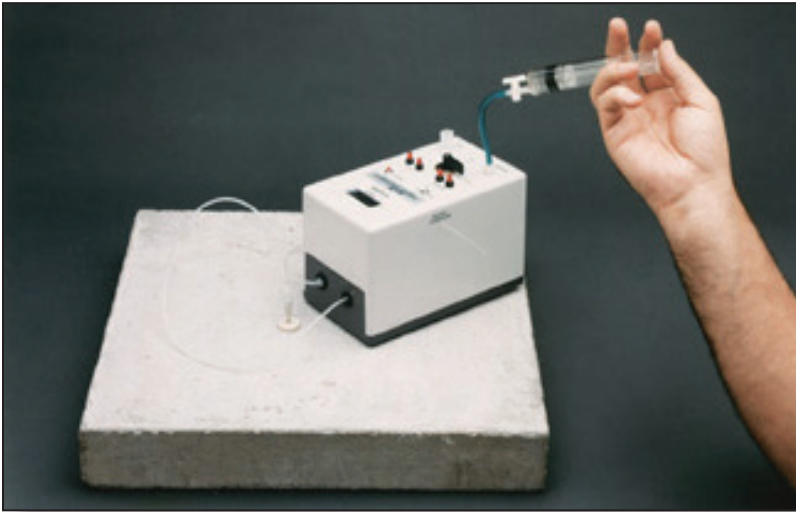
NDT

JAMES INSTRUMENTS

Non Destructive Test Equipment

Test Well. Build Well.

The field test for air and water permeability of concrete using the Figg technique



Water Permeability Test



Surface Permeability Test

Product Information

Poroscope Plus™ measures the time it takes for air to flow into a known volume of a sealed, evacuated chamber in the concrete. While the vacuum reduces from -55 Kpa to -50 Kpa, a measure of air permeability is determined.

For water permeability, **Poroscope Plus™** uses the same chamber filled with water, and measures the total time in seconds for a volume of 0.01 ml of water to escape. Surface porosity is determined in like manner using a specially designed surface chamber

Applications

- Service life prediction
- Coating verification testing
- Determine susceptibility to chloride and carbonation penetration.

Features & Benefits

- Both air and water permeability are measured by the same instrument.
- Permeability both at the concrete surface as well as within the concrete mass can be determined.
- Porosity in sealants and surface mortars can be checked.
- The test is non-destructive (only a small plugged hole required) and can be completely carried out on site.
- Each test can be completed in only a few minutes and gives reliable reproducible results.
- The test enables meaningful concrete durability predictions to be made.

Strength

Locators

Ultrasonics

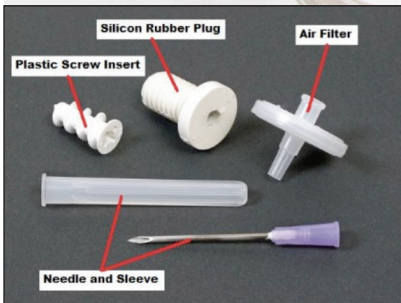
Corrosion

Moisture

Poroscope™



Test Well. Build Well.



Accessories

Poroscope™ Unit with Accessories

Specifications

Weight, complete in carrying case	12.0 lbs. (5.4kg)
Dimensions	17 x 12 x 6 inches (43 x 30 x 15 cm)
Power Supply	Standard 9V Battery
Grinding Wheel Rpm	12000 max

Sales Numbers

- C-P-6000** Poroscope (does not include Surface Chamber)
- C-P-6050** Poroscope Plus (Includes Surface Chamber. Does not include plugs)

Consummables:

- C-P-6060** Pack of 25 Test Plugs

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Strength Locators Ultrasonics Corrosion Moisture