CONCRETE WATER PERMEABILITY TESTER TPWP-06

This equipment is used for concrete water permeability test to evaluate the long-term performance and durability of concrete. In order to improve the traditional working environment, this equipment adopts self-sealing technology to reduce the impact on the environment and human health. At the same time, it is easy to operate and saves manpower.

FEATURE

- It adopts air sleeve fastening sealing structure design. An inflatable rubber sleeve is set at the gap between the specimen and the outer steel mold, and the inflation pressure reaches 2MPa.
- Equipped with a special clamp, it clamps the cone specimen according to standard requirements and places it into the steel mold with an inflatable rubber sleeve.
- It adopts a special sealing cover and can accommodate specimens with a height between 145mm and 155mm.
- Equipped with an automatic specimen penetrating detection device. The detection device can automatically detect the accumulation of water and send a command to the controller to stop pressurizing.
- It uses a 7-inch touch industrial control screen to input specimen information and test parameters, realize automatic control, record test information.
- When placing and removing the specimen in the test chamber, the sleeve is vacuumed from positive pressure to negative pressure, which can reduce the wear of the sleeve by specimen and extend the service life of the sleeve.

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TECHNICAL SPECIFICATIONS

Pressurization method	Bottom-up
Relative error of indication	≤0.01MPa
Pressure resolution	0.001MPa
Pressure maintenance error	Gradual pressure loading method: ±0.05MPa Water penetration depth method: ±0.05MPa
Maximum pressure	2MPa
Specimen sealing method	Enhanced airtight seal, all specimen can be sealed at the same time, total sealing time ≤5min
Maximum sealing pressure	2.0MPa
Sealing pressure resolution	0.01MPa
Specimen size	φ175*φ185*150mm
Number of specimens	6 specimens (independent measurement and control)
Sealing material	Reinforced nylon, natural rubber, special wear-resistant and high-pressure resistant materials
Test data query	Can automatically generate test reports, support original records export (data storage time capacity ≥ 5 years), and can upload data to the user's testing platform system. Report templates can be customized according to customer requirements
Power	Maximum power 500W
Dimensions	960×770×880mm
Power supply	220V50Hz

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