

TE-09 Hydrostatic Pressure Tester

Purpose:

Apparatus is intended for determination of resistance to water penetration of textile fabric using hydrostatic pressure up to 20.000 Pa (2.000 mm)

Apparatus is made according to the requirements and apply for the tests according to the following standards:

EN ISO 811 Textile fabrics – Determination of resistance to water penetration – Hydrostatic pressure test

Description of the device:

The device consists of a test column with millimeter scale for reading test results and pressure tank with water, the control unit with the buttons to select the speed of pressure growth of 10 or 60 cmH₂O/min with signal light, an sound alarm and stop button, a test stand with three circular shape test places of 100 cm² with a system for fixing test specimens, valves for individually opening and closing the water inlet and stainless steel containers to prevent water outpouring.

Dimension: (L) 590 x (W) 460 x (H) 2350 mm;

Weight: 36 kg

Power supply: 230 V~50 Hz

Operating principle:

A pressure tank properly filled with water place in the starting position, set the speciment/s into the test position, open the water inlet and start testing at a desired rate of pressure rise (10 or 60 cmH₂O/min), when the penetration of three drops of water show up on the surface of the sample stop testing by pressing the stop button and read the water level in the pressure tank on the millimeter scale of the test column as a result of testing (1 mm = 10 Pa).

