

# WATERTIGHTNESS

## Watertightness Tester WSP 3600 V4

### TECHNICAL DATA

- ✓ corresponds to EN 1928 method A
  - ✓ microprocessor controlled with touchscreen interface (PLC with 3.5" touchscreen HMI)
  - ✓ 3 inspection places
  - ✓ magnetic inserting assistance
  - ✓ inspection surface:  $\varnothing$  150 mm
  - ✓ sample size:  $\varnothing$  200 mm
  - ✓ maximum test pressure: 1100 mm
  - ✓ minimum pressure: 50 mm
  - ✓ test pressure is pre-selectable in 1 mm steps
  - ✓ accuracy of pressure +/- 3% of nominal value from 100 mm
  - ✓ testing period is pre-selectable: up to 99:59:59 h in 1 sec steps
  - ✓ automatic pressure re-adjusting over the entire testing period
  - ✓ dimensions: 930 mm/450 mm/1550mm
  - ✓ weight: approx. 32 kg
  - ✓ operating voltage: 1 x 24 VDC (power pack 220 VAC/24 VDC)/150 VA
- !** Attention: Your room height has to be large enough (table to ceiling).
- ⚠** Subject to modifications in the interest of technical progress.

WSP 3600 is designed for easy determination of the watertightness of roofing membranes according to EN 1928 Method A with a testing pressure up to 1100mm. For the determination of the watertightness a constant water head / pressure is applied on the sample over time. WSP 3600 controls the time and the pressure. The pressure is applied with a real water column, which is controlled by an ultrasonic distance sensor.

### THE TESTING IS DONE IN 3 STEPS:

1. The pressure is applied with a pump which fills the test chambers and column till the pressure set-point is reached.
2. Once the pressure set-point is reached, the time counter starts and the instrument keeps the pressure constant.
3. Once the timer is finished, the instrument will empty automatically.



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