

REAL-TIME WEAR TESTER (RWT)

Product Code: 12521

The ViVitro Real-Time Wear Tester (RWT) is a quasi-real-time wear tester for heart valve replacements, venous Valve replacements, occluder devices, cardiac patches or strips, medical sutures, staples or clips, and other cardiovascular devices. It is customizable for devices and device mounting arrangements (including conduit mounted valves and large prosthetic heart valves).

The RWT gives users full control over the waveform driving the system while testing numerous devices simultaneously.



With the Hitest Data Acquisition System, RWT operators are able to collect and analyze pressure data according to ISO5840 standards through an intuitive user interface. Quasi-real-time results may identify failure modes similar to animal tests for prosthetic heart valves.

> Features

- Operator control over input waveform
- User interface designed for easy waveform download
- Controller stores up to 5 waveforms to drive the SuperPump
- Visible operation for easy viewing and image capture of testing in progress or real-time inspection
- Easy access cartridges allow quick valve change-out
- Tests up to six devices simultaneously
- Durability and fatigue testing up to 200 BPM

> Testing Capabilities

- Heart Valve Replacements
- Venous Valve Replacements
- Occluder Devices
- Cardiac Patches or Strips
- Medical Sutures, Staples or Clips
- Other Cardiovascular Devices

> Specifications

Device Capacity	1 - 6
Dry Weight	Controller: 8 kg Actuator + Tank: 46 kg
Dimensions	95 x 37 x 43 cm
Tank Volume	30 L
Temperature Control	up to 40°C ± 0.5°C
Resettable Cycle Counter	0 - 99,999 Million - resolution of 1,000 cycles
Cycle Rate	3 - 200 BPM

