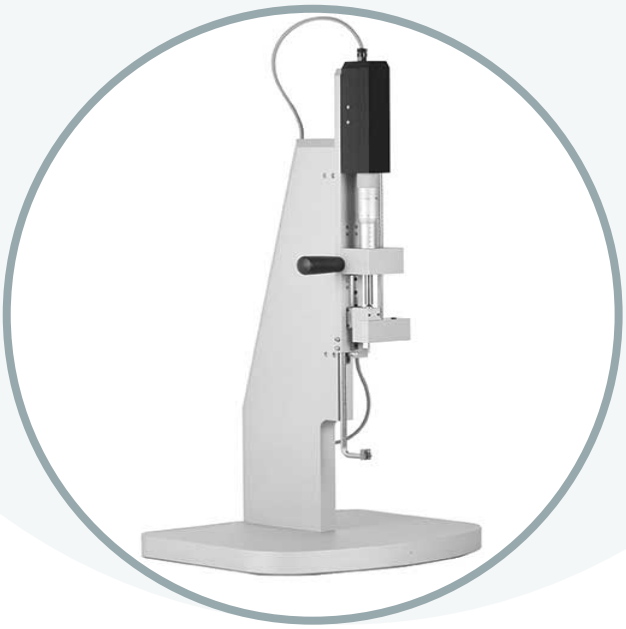
TISSUE PULLER - 560TP



- A simple, easy-to-use economical single-channel system
- Ideal for quick, simultaneous measurements of biodynamic parameters such as compliance and fatigue
- Pin and clamp mounts facilitate the use of a mix of ring- and strip samples
- Included software contains data acquisition and customizable, programmable settings for each pull
- Force transducer with a large range and high sensitivity for force detection

The Tissue Puller - 560TP is an economical tensometer that allows quick and easy determination of tensile strength in tissues. Characteristics like compliance and fatigue can be quickly evaluated with the real-time plot of the length-tension relationship of the sample tissue in the included software - MyoPULL. This is an easy-to-use tissue puller that has the flexibility to measure the tensile properties in conduit arteries such as mouse and rat aortas as well as muscular strips with the use of interchangeable mounting pins for ring-like tissues or clamp mounts for strip-like tissues.

Each unit is a single apparatus, containing all the necessary components needed to conduct experiments. The system connects easily and quickly to the USB port of a desktop or laptop computer, making data collection fast and easy. All controls for the tissue puller are integrated into the included software package that also acts as the data acquisition, allowing the user to view the real-time plot of the length-tension curves.

This tissue puller is highly suited for biodynamic experiments involving the measurement and characterization of tissue tensile strength. The included control and data acquisition software makes this system a powerful yet economical tool that will add another dimension to studying e.g. cardiovascular, skeletal muscle and other tissue samples while supplementing functional myograph data.

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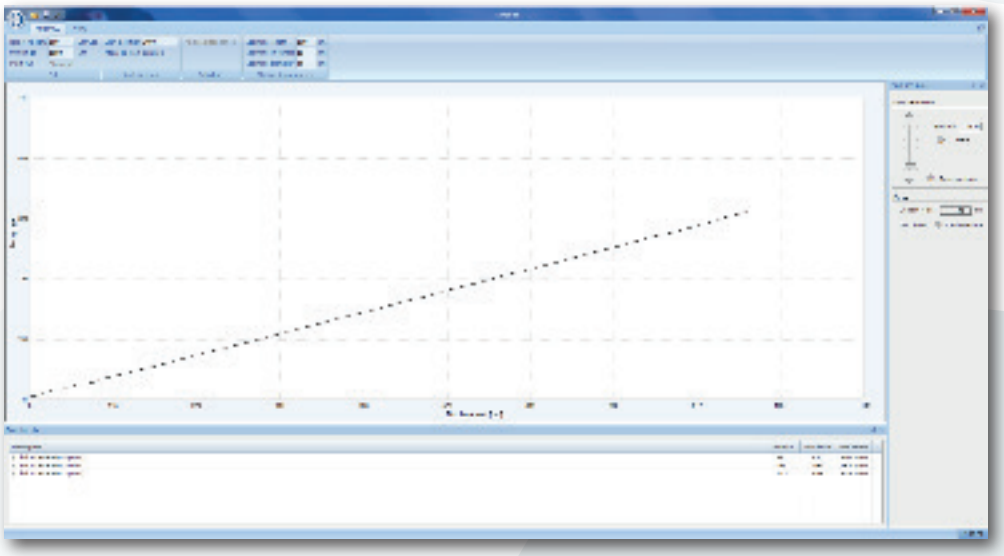
SPECIFICATIONS:	
Vessel size/ tissue length	>500 µm - 20 mm
Force range	0-2 N (0-2000 mN or - 204 g)
Tare range	0-1 N (0-1000 mN or - 104 g)
Force resolution	1 mN (- 0.1 g)
Displacement range	0-50 mm (5 cm or 50.000 µm)
Displacement resolution	1 µm
Min displacement speed	1 µm/sec.
Max displacement speed	150 µm/sec. (-9 mm/minute)
Weight calibration	Semi-automatic (via software)
Data communication	USB (2.0)
Voltage	100-240 VAC (auto) 50/60 Hz via external power supply
Data Acquisition	MyoPULL software
Requirements	Windows 7 or later (32 - or 64-bit)



Screen capture from MyoPULL Software

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