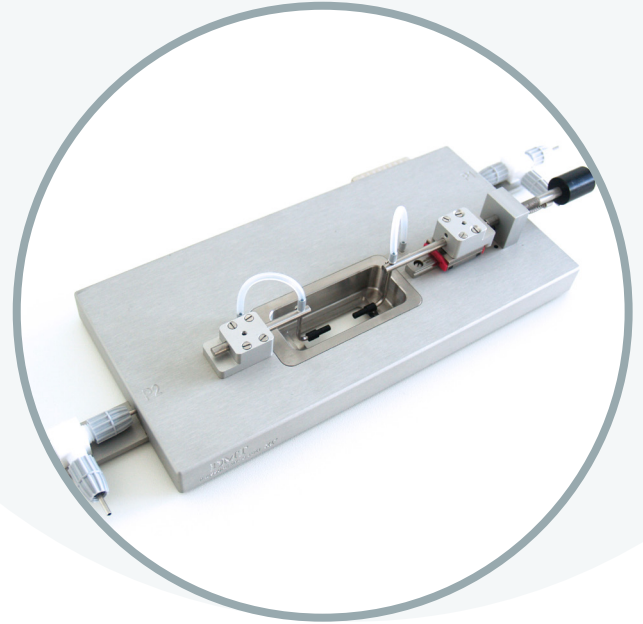


- Specially designed Pressure Myograph for large arteries or other large tubular tissues
- Large optical window for diameter measurement and tissue observation
- Stainless steel cannula for easy mounting
- Built-in heating to maintain buffer temperature



The Pressure Myograph System - 110PXL is a custom designed version of the Pressure Myograph System - 110P for use with larger arteries and veins. The chamber includes a set of adapters to accommodate arteries with internal diameters of 2.5 to 6.0 mm.

The 110PXL chamber, in combination with low-power objectives, can be used for the study of large artery reactivity and/or compliance by measuring diameter changes under physiological pressures, which are precisely controlled through the system's interface or through the imaging software.

A built-in heating system maintains the chamber temperature, eliminating the need for continuous (and often costly) superfusion. The chamber cover includes ports for superfusion, for rapid draining and filling, for cumulative addition of drugs and for oxygenation. To facilitate cleaning, the chamber is made of stainless steel and is acid resistant.

Data such as outer vessel diameter, intra vascular pressure, and other calculated parameters can be collected.

#### **The Myograph and Pressure Package**

Myograph chamber, interface unit, chamber cover, calibration kit, pressure regulator, internal and external tubing.

#### **The Acquisition & Analysis Package**

Inverted and upright Zeiss (contact DMT for further specifications) with USB camera, PC and MyoVIEW data acquisition software.



# PRESSURE MYOGRAPH SYSTEM - 110PXL

## CHAMBER:

Chamber volume (min)	10 ml
Chamber(s)	1
Chamber material	Acid resistant stainless steel
Vessel size	>2.5 mm
Vessel alignment	X, Y, Z
Mounting type	Steel Cannulas

## TEMPERATURE:

Range	15.0 to 50.0 °C
Resolution	0.1 °C
Stability	±0.2 °C
Heating	Yes

## TRANSDUCER PRESSURE:

Output reading	mmHg
Range	0 - 250 mmHg
Pressure stability	±0.5 mmHg
Resolution	0.1 mmHg
Force calibration	Yes

## RESERVOIR:

Heated	Yes
Capacity	250 ml
Pressure circuit	Closed
Air inlet	1 bar (max)

## OUTPUT:

Data communication	USB 2.0
Analogue output channels	4
Analogue output range	±2.5 V

Danish Myo Technology A/S

E-mail: sales@dmtdk  
Tel.: +45 87 41 11 00  
Fax: +45 87 41 11 01



DMT-USA, Inc.

E-mail: sales@dmtdusa.com  
Tel.: +1 734 707 0250  
Fax: +1 678 302 7013

