Blood Pressure Analysis Module for LabChart and PowerLab

Automatically detect and analyse cardiovascular pressure from humans, large animals, and small animals.

The Blood Pressure Module for LabChart automatically detects, analyses, and derives cardiovascular parameters from arterial or ventricular pressure signals, in real-time or post acquisition.

Detection & Analysis Settings
Easily configure the detection and analysis parameters for ventricular and arterial pressure recordings using the Settings dialog. This includes averaging, cycle detection, analysis, end of diastole options, and isovolumetric relaxation (Tau).

Applications
- Baroreflex Sensitivity
- Hypertension
- Vascular Resistance
- Exercise Physiology
- Orthostatic Hypotension
- Cardiovascular Dysfunction
- Intracranial Studies
- Autonomic Function
- Arrhythmia
- Pulse transit time
- Systemic or ventricular studies
- Pulmonary hypertension
- Tumor research

Left: Detect and analyse parameters using the Settings dialog.
**Classifier View**
Easily select specific pressure waveforms for analysis based on height and duration. Exclude pressure cycles that are contaminated by artifacts or include abnormal cycle features. Drag the edges of the selection box to include or exclude detected cycles in any analysis.

**Analysis View**
The analysis view displays every beat, with any averaged waveform displayed in black. Vertical markers indicate arterial or ventricular cycle parameters. View each beat, or an average of successive beats, using the horizontal scrolling bar.

The software automatically labels key parameters depending on the type of signal under investigation (ventricular or arterial). These include peak systolic and end diastolic pressure, dP/dt, and many more.

**Table View**
The Blood Pressure Module logs all measurements and calculated parameters in the Table View. Table rows are linked to the various LabChart windows. Highlighting a row will automatically show the corresponding beat in the Analysis View as well as the data in the Chart View.

**Some of the calculated ventricular parameters:**
- Maximum Pressure
- Minimum Pressure
- Mean Pressure
- Maximum-Minimum Pressure
- Maximum dP/dt
- Minimum dP/dt
- End Diastolic Pressure (EDP)
- Contractility Index
- Isovolumic Relaxation

**Some of the calculated arterial parameters:**
- Systolic Pressure
- Diastolic Pressure
- Mean Pressure
- Pulse Pressure
- Ejection Time
- Pressure at Dicrotic Notch

**Ordering Information**
The Blood Pressure Module for LabChart can be purchased individually as an Add-On for LabChart 8 (MLS370/8, Windows), or as part of LabChart Pro (MLS260/8).

LabChart Pro includes LabChart software and all LabChart Modules, providing powerful data acquisition and analysis capabilities (available for Windows or Mac).

Visit adinstruments.com or contact your local ADInstruments representative for more information.