



Accurate, streamlined recording of non-invasive blood pressure data from mice and rats

ADInstruments' Rodent NIBP CODA[®] Monitor Sets use the precision of Kent Scientific's Volume Pressure Recording (VPR) technology to accurately and reliably measure non-invasive blood pressure from mice and rats.

Each Set uses a specialized VPR tail-cuff system to accurately record blood pressure from mice as small as 8 grams to rats over 950 grams - a method validated as providing a high correlation with telemetry and direct blood pressure measurements¹.

Designed for LabChart Integration

NIBP data is streamed directly from the CODA[®] Monitor into LabChart, automatically detecting the animals' systolic, diastolic, mean blood pressure, and heart rate. This streamlined solution is ideal for researchers looking to capture blood pressure data in awake or anesthetized animals easily and unobtrusively over long sampling periods with a high standard of care.

Solution Highlights

- Easy to use touch screen display
- Automatic detection and display of systolic, diastolic, mean blood pressure, and heart rate
- Works with a wide range of cuffs to accurately cater to a variety of rodent tail sizes
- Direct integration with LabChart software for comprehensive data analysis (*sold separately*)
- Provides a record of occlusion waveforms and detection points through automatically added comments

CODA[®] Sets Overview

ADInstruments
CODA[®] Monitor (Controller)



Far Infrared
Warming Pad



CODA[®] Rodent Cuff Kit
(includes Occlusion Cuffs
and VPR Cuff Sensors)



LabChart
LabChart 8 for Windows
(purchased separately)



2 x Rodent NIBP CODA[®]
RightTemp Sensors



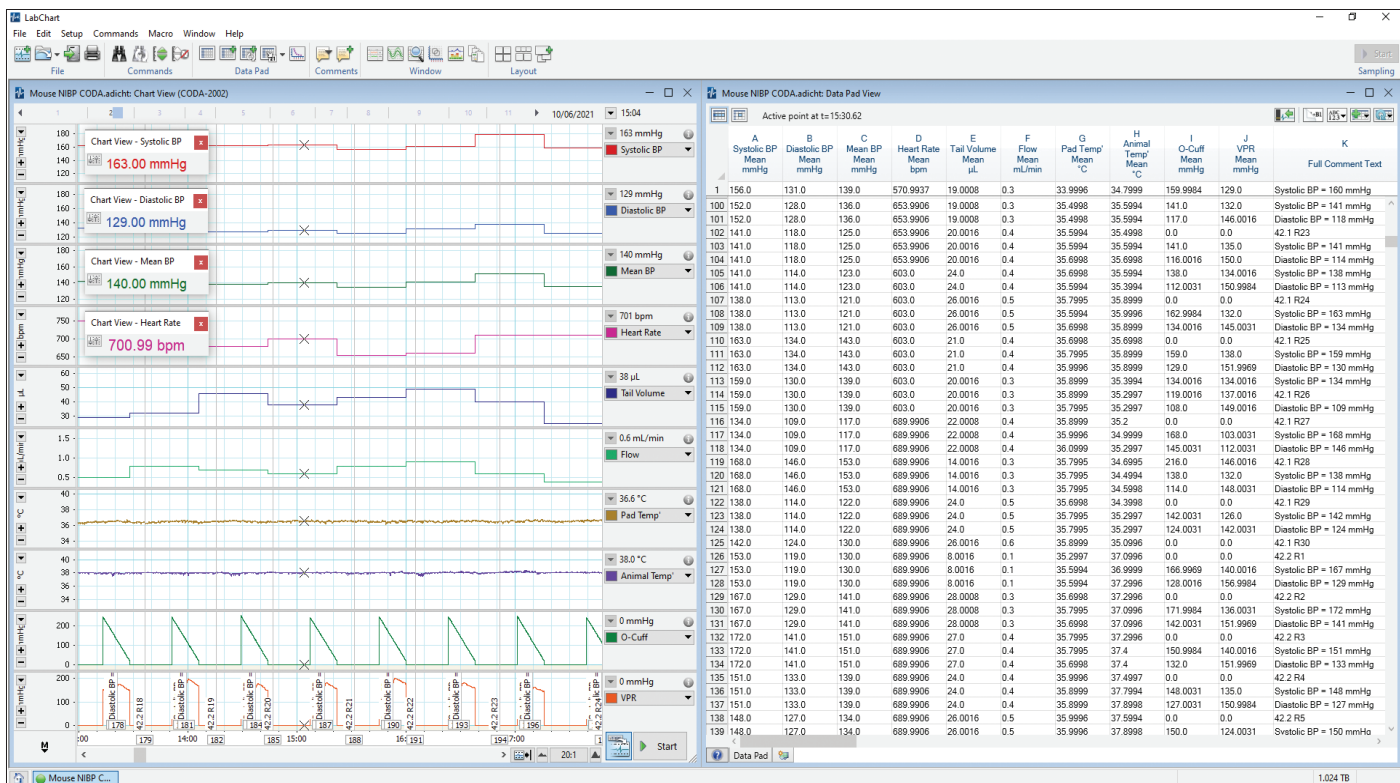
Infrared Thermometer
with LaserSight



¹ Validation of volume-pressure recording tail-cuff blood pressure measurements. Feng et al, 2008, Am J Hypertens, v12 pp1288-91

Applications include:
Hemodynamic Studies • Hyper/Hypotension
Obesity • Surgical Monitoring • Drug Screening





CODA[®] NIBP Chart and Data Pad View in LabChart

Automatic streaming of your NIBP data into LabChart

The CODA[®] Monitor Device Enabler included in each Set allows the ADInstruments CODA[®] Monitor to stream non-invasive blood pressure data directly into LabChart for advanced data recording and analysis.

- Coordinate sampling from up to three CODA[®] Monitors
- Automatically detect and calculate systolic, diastolic, mean blood pressure & heart rate
- Powerful and comprehensive range of analysis tools to analyze, extract and manipulate data as needed

LabChart data analysis software provides a platform for multiple data recording devices to work together, allowing you to acquire signals from simultaneous sources and apply advanced calculations as your experiment unfolds.



ADInstruments equipment is used in the **TOP 100 INSTITUTIONS** for Life Science worldwide and is cited in more than **30,000** peer-reviewed papers.

Set Accessories

Sets can be expanded with additional tail cuffs to cater to different animal sizes and species (mouse or rat).

For studies on conscious animals, specialized cylindrical rodent holders featuring an adjustable nose piece are also available to safely secure animals during experimentation.



Additional VPR Cuff Sensors and Occlusion Cuffs (XS-XL)

Mouse holders (S, M, L) and rat holders (S, M, L, XL)



Kent Scientific
CORPORATION

Kent Scientific are world leaders in NIBP (CODA[®]) monitoring with over 30 years of experience providing medical and research scientists with innovative solutions for achieving fast, consistent, and accurate results.

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