BLOOD PRESSURE

RESTRAINERS

CATHETERS

ANALGESIA

BEHAVIORAL/ACTIVITY

ANIMAL RESPIRATORS

SYRINGE PUMPS

TEMPERATURE PROBES

Amplifier with automatic cuff inflation

The IITC amplifier with built in cuff inflation pump is a basic system that allows testing of a single animal at a time. The method is done noninvasive via the tail cuff method.

The IITC method requires minimal warming of rats and mice. The rodents should be warmed to an ambient temperature of 30 deg. C. for rats and 32 deg. C. for mice, which is well below the thermostress level (see NIBP Intro. page). It is suggested to use one of the IITC warming chambers. The artifact filter eliminates the breathing and movement artifacts, enabling the user to pick out endpoints easily. In addition the amplifier has a built in cuff pump which allows for automatic cuff inflation. The built-in cuff pump has adjustable cuff pressure limits with automatic cut off, remote trigger capability, adjustable deflation rate, a manual air release for an immediate pressure drop and a test termination pressure control allows for quick 10 to 15 second test cycles.

Analog output. The instrument has separate outputs for single channel and dual channel (superimposed and split) recording. The typical pulse amplitude is 100 mV to 1 V. The pressure amplitude is adjustable from one to five volts at 300 mmHg. If systolic and heart rate are desired, a single channel chart recorder #38L is sufficient; if the Mean and Diastolic are the desired reading then a dual channel chart recorder is recommended #45L or the IITC software package #31.

The unit can be used in any one of the IITC multi-channel systems.

Lifetime Warranty on amplifier
One year warranty on internal cuff pump.
120/240V
CE

Features:

Validated data:
  Telemetry
  Direct blood pressure

Data supplied:
  Systolic
  Mean
  Diastolic
  Heart Rate

Lowest temperature method

Indirect heating

MRI systems available

Animal color not a factor

USB and RS232 Standard

Animals:
  Mice
  Rats
  Cats
  Dogs
  Rabbits
  Swine
  Monkeys

Lifetime Warranty

Part #	Description
229	Noninvasive Tail Cuff Blood Pressure Amplifier with built in Automatic Cuff Pump for mice and rats