Research Diets, Inc

Where NutriPhenomics Begins

BioDAQ Electronics

Electronic Sensors

Each feeding and drinking module is fitted with an electronic sensor that monitors the weight of the hopper on a second by second basis. Th▼e software measures changes in stable weight, which correspond to the animals interactions with the food or liquid source. Each distinct interaction recorded is a bout of feeding or drinking. An integrated environmental monitor automatically records light cycles, temperature, and humidity.

Records Bouts

BioDAQ collects and records the smallest unit of consumption: the bout. A bout is an episode of uninterrupted feeding or drinking, having a start time, duration, and amount consumed. A freely feeding mouse or rat will interact with its food and water hundreds of times each day. Each of these bouts of feeding or drinking, and their relationship to each other, comprise the animals' intake behavior.

Monitor 32 Modules

A BioDAQ Central Controller will monitor up to 32 modules/sensors at one time. A minimum system is available with 8 modules/sensors, and can be expanded to 32 as needed.

Automated Gate Controller

The BioDAQ Automated Gate Controller allows the investigator to program the gate to open or close at a specified time, and/or when a specified amount of food or liquid is consumed. The automated gate is acquired on BioDAQ E3.

Biological Data Acquisition

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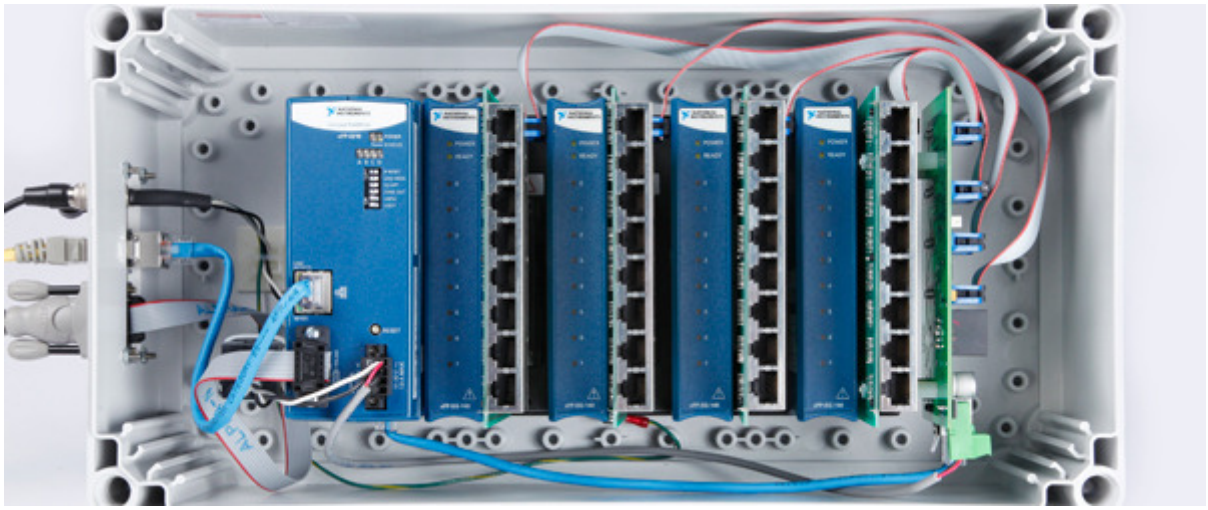
BioDAQ Electronics

Automated Gate Controller is programmable to open/close by time or amount

BioDAQ Electronics

Peripheral Sensor Controller (PSC) has a resolution of 0.01 grams



BioDAQ Electronics

Central Controller has inputs for up to 32 sensors

BioDAQ Electronics

Computer laptop includes operating software and DataViewer

Options:
Cages
Hardware
Software
Electronics
Racks

The same Peripheral Sensor Controller (PSC) can be used on rat and mouse systems.

Monitor up to 32 sensors from one laptop computer.

20 Jules Lane New Brunswick, NJ 08901 USA
Tel: 732.247.2390 Fax: 732.247.2340 biodaq@researchdiets.com