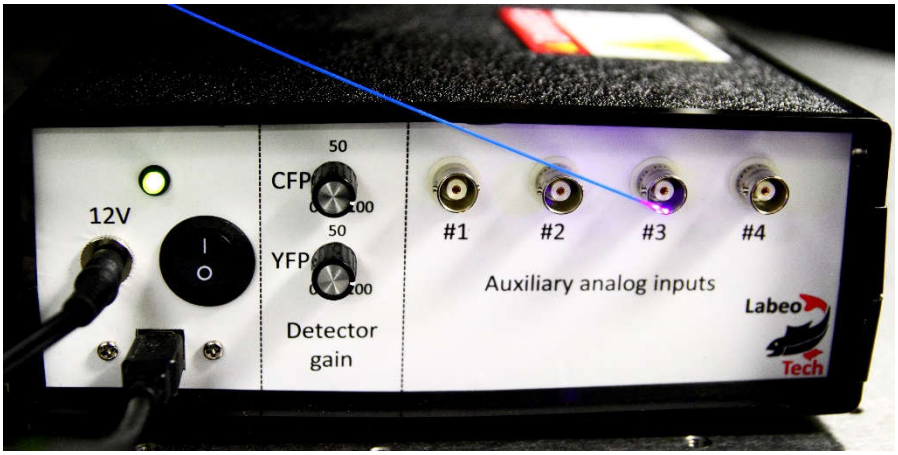
Fluorescence Resonance Energy Transfer (FRET) Acquisition System



Applications:

Pharmacology – Neural activity in behaving rodents
Molecular interaction studies – Glucose monitoring
Fluorescence readings combined to MRI

Integrated & Ergonomic

Save lab space and installation time. Compatible with multiple applications.

Modular System

Select your laser and filters among a wide selection.

Better Results

Get better results in your study with reliable signals.

Increased Performance-Price Ratio

Get more functionalities at a lower price.

5155 ave Decelles, Pavillon J-Armand Bombardier, Montreal (QC), H3T 2B1, Canada
Sales: 438-448-8840 info@labeotech.com

Specifications

Fibered optical output
SMA connector
200 µm & 400 µm fibers available

Laser Power
Adjustable power
1 µW to 1000 µW

Detectors
High sensitivity detectors (PMT)
1 kSamples/second
Adjustable gain

Electrical Connections
USB connection to the computer
12V supply

Fluorescence Dies

CFP / YFP
450 nm filtered laser
483 nm & 542 nm detectors

Other dies available on request
Wide selection of lasers and filters
CFP/YFP, BFP/GFP, CFP/RFP

Auxiliary Inputs

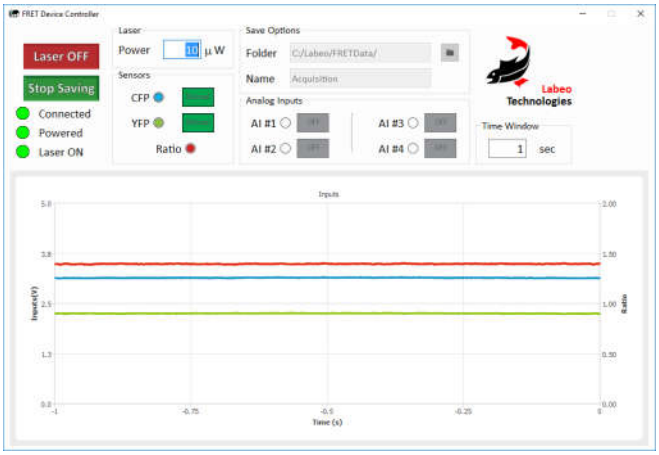
Parameters
4 auxiliary inputs
BNC connectors
1 kSamples/second
Compatible with hand or foot switches

Software

Parameters
Laser power
Acquisition protocols configurations
Alarms for saturation

Saving
Sensors signals, parameters & analogue inputs saved on disk.

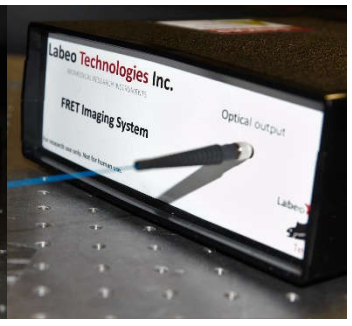
Display
Real time display of 2 optical detectors, FRET ratio and analogue inputs
Configurable time window and axis scale



Control Unit

Detectors Controls
Manual gain controls

Compact Size
9” X 8” X 3”



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