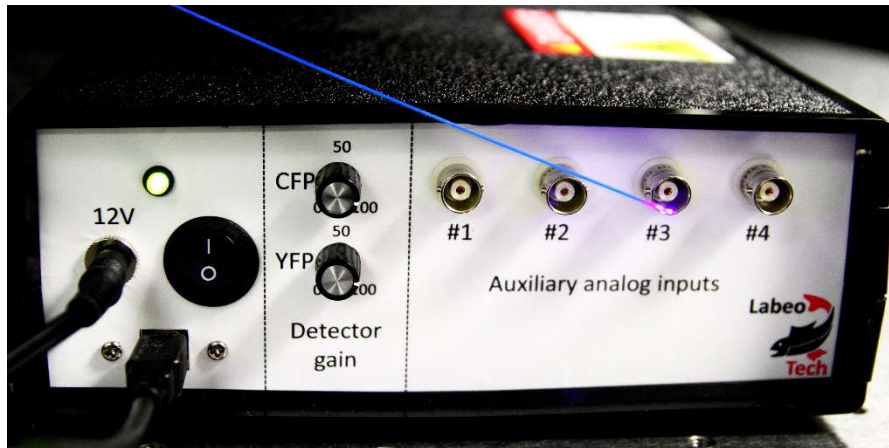


Fluorescence Resonance Energy Transfer (FRET) Acquisition System



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.



442-3333 Ch Queen-Mary, Montreal (QC), H3V 1A2, Canada
Sales: +1 (438) 448-8840 info@labeotech.com
www.labeotech.com



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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

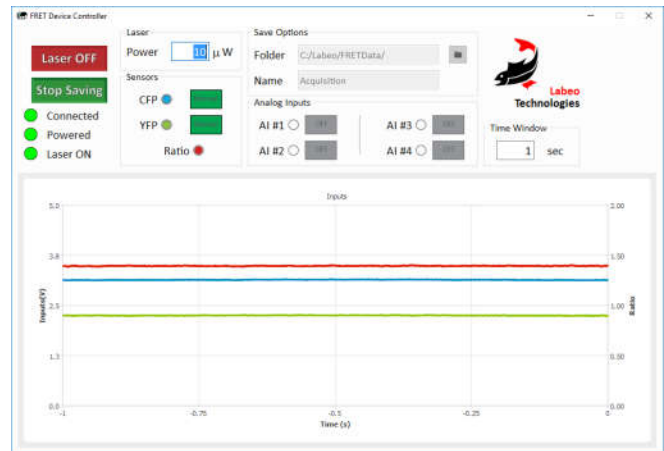
Saving

Sensors signals, parameters & analog inputs saved on disk.

Display

Real time display of 2 optical detectors, FRET ratio and analog 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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