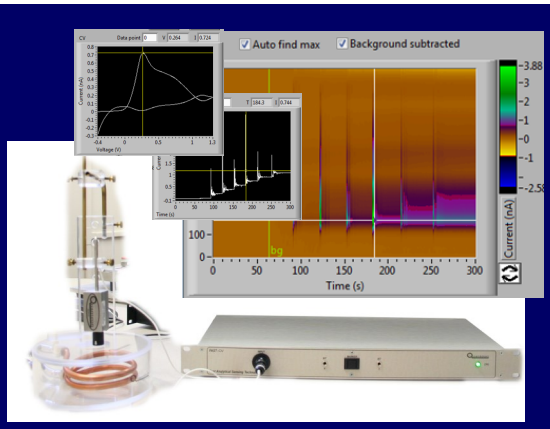
Quanteon LLC

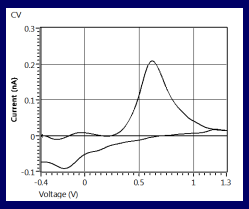
Booth 415

FAST-CV

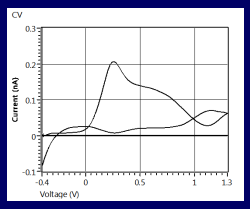
Subsecond Neurotransmitter Measurements in CNS



FAST-CV SYSTEM



250 nM 5-HT CV on Nafion® coated carbon fiber



2 µM Dopamine CV on Nafion® coated carbon fiber

- **AWAKE ANIMALS**
- **ANESTHETIZED ANIMALS**
- **BRAIN SLICES**

OPTOGENETICS Compatible

FAST-CV. Computer, DAQ and software not included. Calibration bath and stand shown are options.

Fast-Scan Cyclic Voltammetry

The **FAST-CV** is a 2 channel FSCV system having 2 digital (event) lines and 40 I/O lines total.

Standard Headstage:

Gain: 200nA/V (other gains available)

Output Voltage: ±10V

Supply Voltage: ±15V

Applications	Direct *in vivo* neurochemical measures with FSCV in acute and chronic recordings. *For experimental non-clinical use only.* Analytes: Dopamine, Serotonin, Norepinephrine, Adenosine and many others.
Analog I/0: **Digital I/0:**	**2 channels** 2 handshake lines for single bit input and output; 1 push button handshake line. 40 I/O lines accessible.
Capabilities	Triangle wave voltage: -1.0 V to +1.5V vs. Ag/AgCl Scan rate: 100 -1000V/s Frequency: 10Hz Points per scan >1000
Host interface	FAST-CV compatible with HDCV Open Source Software Suite from UNC Chemistry Electronics Facility
Power supply and Case	External 110V-240V 50-60Hz auto-sensing power supply AC to DC 5V 600mA. Standard rack mountable. Constructed of high strength anodized aluminum for durability, versatility and electronic shielding.

Technical Data

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