Quanteon Booth 415

8 Channel - FAST16mkIII

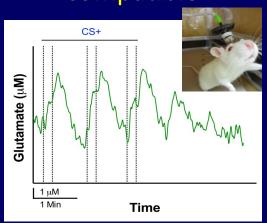
Subsecond Neurotransmitter **Measurements in CNS**

Turnkey System

FAST 16mkIII SYSTEM

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

Optogenetics compatible



Phasic Glutamate Release in Response to Reward-**Predictive Stimulus**

Figure of a self-referencing recording.

Response to 3 consecutive CS+ trials during a PCA discrimination.

Fast and versatile data acquisition

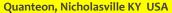
The 8-channel FAST16mkIII records electrochemical data (amperometry, chronoamperometry) from up to 8 independent channels, has 4 digital (event) lines and generates waveforms for experimental control. With real time display rates up to 1000 Hz.

Incudes FAST2014 software and improved analysis package for greater productivity.

Applications	Direct <i>in vivo</i> neurochemical measures on a second second basis in acute and chronic recordings. For experimental non-clinical use only. Analytes: Glutamate * Dopamine * Acetylcholine * Choline * Seroto Glucose * Lactate * Nitric Oxide * others via indirect enzymatic or oxidation	oni
Analog I/0:	8 channels of 16-bit waveform input, ± 10V 400 KS/s ADC.	
Digital I/0:	4 handshake lines for single bit input and output; 1 push button handshake line.	
Host interface:	Interface adaptor for PCI bus and USB data acquisition. Includes all-in-one computer. FAST2014 software and custom Matlab [®] based Analysis.	
Power supply and Case:	External 110V-240V 50-60Hz auto-sensing power supply AC to DC 5V 600mA. Rechargeable battery power supply. Internal DC to DC ±15V. Dimensions: 19" W, 1.75" H, 8.25" L. Standard rack mountable. New improved shielding for lower noise. Constructed of high strength anodized aluminum for	מים - סיום







https://quanteon.cc

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