



MEA2100-256

High Definition MEA-Electrophysiology on glass

Part of the Multi Channel Systems 2100 amplifier suite, the MEA2100-256 is the ultimate solution for high-definition Micro-Electrode-Array recordings and transparent substrates. Profit from full optical access and flexible electrode geometry for highest experimental flexibility.

Key Features

- Highest channel count for high density network information
- Full transparent Electrode-Array Chips for optical access
- In depth data analysis with cutting edge amplifier technology
- Integrated feedback stimulation for convenient modification of network dynamics



Multiboot Interface Board

The Multiboot Interface Board facilitates operation of all MCS in vitro and in vivo headstages within the entire 2100 amplifier suite. This suite includes: MEA2100-Mini-60/120, MEA2100-256, MEA2100-lite, Multiwell-MEA, MEA Xpress, CMOS-MEA, Beta-Screen, W2100, ME2100. The modular 2100 amplifier solution suite design makes it easy to modify your lab equipment generally with modest hardware upgrade investments.





MEA2100-256



MEA2100-Mini-60/120

Flexible, modular, scalable single-well MEA Electrophysiology





Multiwell-MEA & MEA Xpress

High throughput compound screening and functional cell monitoring





CMOS-MEA

Subcellular Signal Propagation







Specifications

Amplifier	
Data resolution	24 bit
Number of recording channels	256
Stimulus Generator	
Current mode	± 1 mA
Voltage mode	± 10 V
Data converter and USB interface	
Sampling rate per channel	up to 50 kHz

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