

MEA2100 – Lite



Product Overview

Versatile in vitro recording system: MEA2100-System

The MEA2100-System is a versatile in vitro recording system with integrated stimulation, following the tradition of high-quality, low-noise amplifiers.

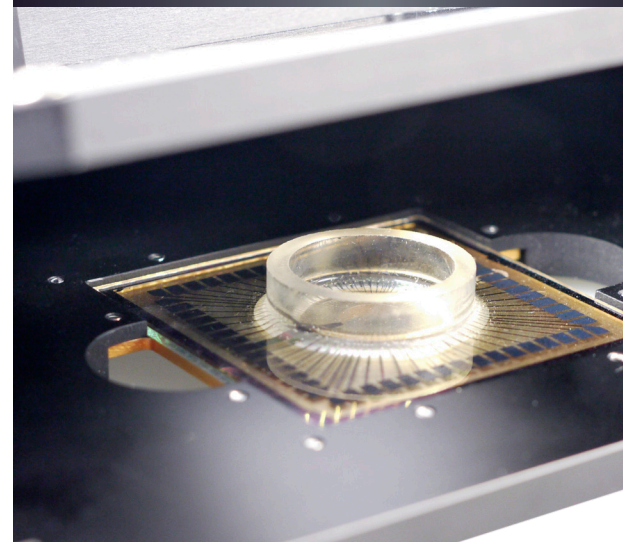
It is the complete setup for extracellular recordings from microelectrode arrays (MEAs), including everything you need for your experiment: data acquisition software; interface board; MEA-headstage with integrated stimulation. Thanks to its compact design, you can position the MEA-headstage on any inverted or upright microscope. All standard 60 channel MEAs are compatible with this headstage.

Higher throughput with flexible multiwell solutions

The MEA2100-Lite-System can be used with 6-well MEAs for higher throughput. You can run 6 experiments at the same time. However, you are not limited to multi-well solutions. By using different MEAs, the setup can be optimized for a completely different application within seconds.

Key Features

- Cost efficient MEA headstage for basic application
- Compatible with all 60 channel MCS Microelectrode Arrays
- Now compatible interfaceboard IFB-C



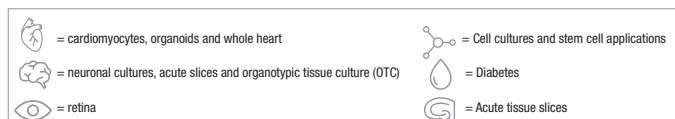
Multiboot Interface Board

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-Lite

The MEA2100-lite Headstage is a cost-efficient entry Model into all Micro Electrode array applications. All available 60-channel MEA (incl. custom layouts) are compatible. The MEA2100 lite comes with the new IFB-C and allows future upgrades with all other headstages of the MCS 2100 amplifier suite.



Specifications

Data resolution	24bit/up to 30KHz
Number of recording channels	60 pro headstage
Current Mode	± 1 mA
Voltage Mode	± 10 V

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