

MEA eGG

AcadeMEA eGG USB Interface for Use with MEA2100-Mini-Headstages (60/120)



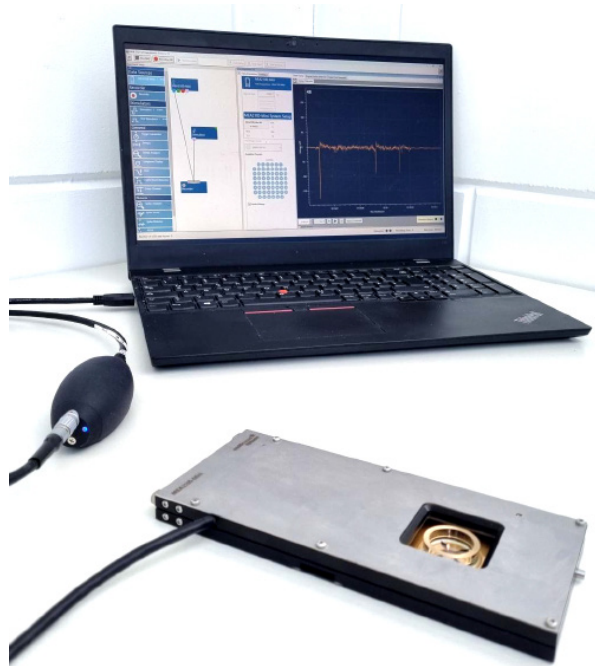
Technical Specification

General Characteristics	
Operating temperature	10 °C - 50 °C / 50 °F - 122 °F
Storage temperature	0 °C - 50 °C / -32 °F - 122 °F
Relative humidity	10 % to 80 %, non-condensing
Dimension	egg-shaped: length 9 cm, max. width 4 cm
Weight	65 g w/o cable
Connectors	
Connector from MEA2100-Mini-headstage to MEA eGG	Lemo connector, EPG.0B.307.HLN
Connector from MEA eGG to computer	USB-C port
LED Progress Indicator	
Integrated LED	blue
LED starts with a short flash	Power on
LED is blinking (1:1)	USB connected, no link to the headstage
LED is permanently on	USB and headstage link okay, device is ready for use
LED is flashing very fast	Power supply is insufficient

MEA2100-Mini (-60/-120)-Headstage for Use with MEA eGG

MEA2100-Mini (-60/-120)-Headstage for Use with MEA eGG	
Operating temperature	10 °C - 50 °C / -32 °F - 122 °F
Storage temperature	0 °C - 50 °C / -32 °F - 122 °F
Relative humidity	10 % to 80 %, non-condensing
Weight with cable	485 g
Cable length	3 m
Dimensions	186 mm x 80 mm x 12 mm
Type of headstage	MEA2100-Mini for 60- or 120-electrode MEAs
Power consumption	1.5 W
Data resolution	24 bit
Signal input range	± 70 mV
Bandwidth	DC to 10 Hz, software controlled
Sampling frequency per channel	up to 50 kHz, software controlled
Input impedance	450 MΩ 10 μF

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Integrated Heating Element	
Temperature sensor type Accuracy ± 0.1 °C	Pt 100 with four wire connection, compatible with TCX
Accuracy	± 0.1 °C
Software	
Operation System	Microsoft Windows ®
Multi Channel Experimenter	Version 2.21.1 and higher, free download
Multi Channel Analyzer	Version 2.21.1 and higher, Analyzer software needs a license
Multi Channel DataManager	Version 1.14.10 and higher, free download

Note: When purchased as part of the AcadeMEA eGG-System, the MEA2100-Mini headstage does not contain active internal stimulators.



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