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MEA2100-HS2x60

for Use with MCS Interface Board 3.0 Multiboot

Technical Specifications



Technical Specifications

Operating temperature Dimensions (W x D x H) Type of cable to interface board

Integrated Amplifier

Number of recording channels Signal input voltage range Bandwidth Data resolution

Sampling frequency per channel Input impedance

Integrated Stimulus Generator

Number of stimulation channels Stimulation pattern

Output voltage Output current Time resolution

Integrated Heating Element

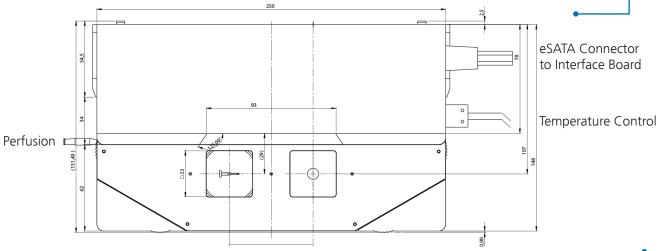
Temperature sensor type Accuracy

0 - 50 °C 250 mm x 151 mm x 25 mm eSATAp

120 ± 500 mV DC to 10 kHz 24 bit (16 bit, if operated with MC_Rack) up to 50 kHz, software controlled 1 GΩ || 18 pF

3 independent stimulation channels per 60 electrodes MC_Rack: rectangle biphasic, monophasic, pulse trains Multi Channel Experimenter: almost arbitrary patterns ± 12 V ± 1.5 mA @ ± 16 V compliance voltage 20 µs

Pt 100 (with four wire connection, compatible with TCX) ± 0.1 °C



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