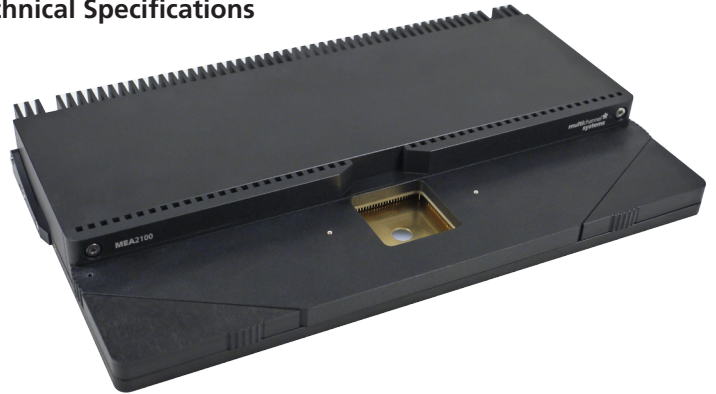


MEA2100-HS256

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

0 - 25 °C
250 mm x 150 mm x 27 mm
eSATAp

Integrated Amplifier

Number of recording channels
Signal input voltage range
Bandwidth
Data resolution
Sampling frequency per channel
Input impedance

252
± 250 mV
DC to 10 kHz
24 bit
up to 50 kHz, software controlled
450 MΩ || 18 pF

Integrated Stimulus Generator

Number of stimulation channels
Stimulation pattern
Output voltage
Output current
Time resolution

2 independent stimulation channels
almost arbitrary patterns
± 10 V @ ± 20 mA max. compliance current
± 1.5 mA @ ± 16 V compliance voltage
20 μs

Integrated Heating Element

Temperature sensor type
Accuracy

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

