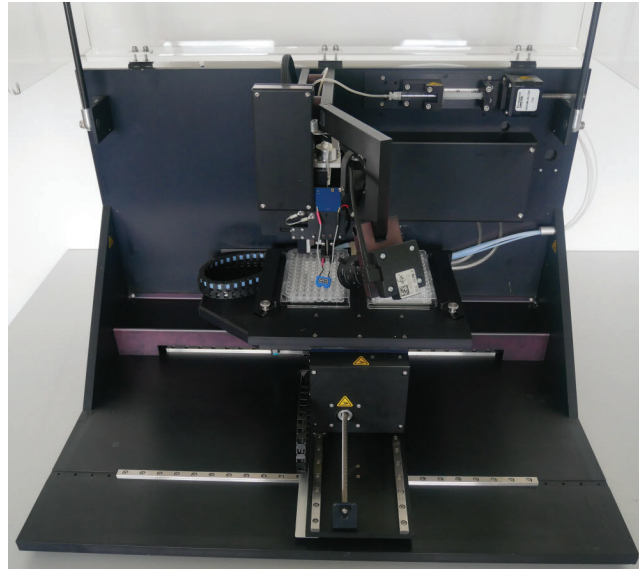


HiClamp

Datasheet



Technical Specifications

General	
Operating temperature	10 °C to 20 °C
Storage temperature	0 °C to 50 °C
Dimensions (W x D x H)	640 mm x 600 mm x 440 mm
Weight 47 kg	47 kg
Power	230 VAC @ 50 Hz, 115 VAC @ 60 Hz
Amplifier	
Type	Integrated TEVC amplifier
Operation	Fully automatic and computer controlled
Reference electrodes	Two independent active bath clamps
Maximal sampling rate	20 kHz
Data resolution	16 bit
Current Electrode Output	
Output range	-105 µA to +105 µA
Effective current resolution	0 – 100 µA 1 nA
Voltage range	-100 V to +100 V
Voltage Electrode Input	
Input range	-500 mV to +500 mV
Voltage resolution	0.015 mV
Clamp voltage setpoint range	-500 mV to +500 mV
Clamp voltage setpoint resolution	1 mV
Typical rise time in voltage clamp mode	< 1 ms
Software	
HiClamp software	DataMining and DataMerger software
Connection to the computer	USB 2.0 High Speed
Operation system	Microsoft Windows ® 10 and 8.1 with NTFS (32 or 64 Bit), English version supported