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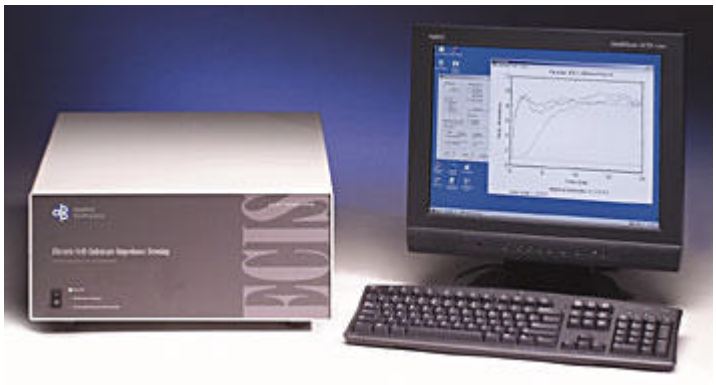
Applied Biophysics ECIS™ Model 1600R (Research)

The ECIS 1600R is a general multipurpose research instrument having the capacity to monitor up to 16 individual tissue cultures.



The electronics are consolidated in a single case that sits beside a tissue culture incubator. Two leads connect the electronics to an electrode array holder within the incubator space – this, in turn, makes contact with up to two consumable arrays. A USB cable provides communication to a PC that controls all data acquisition, storage and analysis. In addition to the ECIS electronics and software, the system is supplied with a state-of-the-art PC/monitor, colour ink jet printer and an initial supply of electrode arrays. An optional compact CO_2 tissue culture is also available.

The ECIS software runs on a Window's ™ platform with user-friendly software for all operations.

Specifications

Maximum number of wells: 16
Frequency range: continuous from 100Hz to 100kHz
Operating System: Windows XP
System Controller: Desktop or laptop PC
Front Panel Controls: Power on/off
Front Panel Indicators: Power, Measurement in Progress, Wounding/Electroporation Mode Activated (optional)
PC to 1600R communications: USB
Power: 120-240 VAC 50/60Hz
Dimensions: 17.25 x 8.5 x 20 inches (WxHxD)
Weight: 40 lbs
System includes: dual slot array holder, color matrix printer, laptop or desktop PC
Array Holder dimensions: 5.5x 1.5x 6.0 inches (WxHxD)
Array Holder material: Lexan ® polycarbonate
Array holder to instrument cable length: 4.5 ft (a port in the incubator is desirable, 5/8 inch diameter minimum)