



Origastat

Potentiostat Galvanostat Impedancemeter

Complete Upgradable Electrochemical System



b 100

Research - Cells & Batteries - Weak currents - Education - Corrosion

Inputs/Outputs

Front panel

POWER: 6-pin mini DIN, motor servo-controlling (rotating electrodes, stirrers...),
WORK: BNC, working electrode,
REF: BNC, reference electrode,
SENSE (Ref2): BNC, 4-pole measurement cell or second reference electrode,
AUX: BNC, auxiliary electrode,
°C: RCA, temperature measurement adjustable as a function of thermistor's resistance,
GND: banana, protected ground, Faraday cage or reference electrode for ionometric measurements using E1/E2 inputs,

Rear panel

Analog I/O: 8-pin DIN, EIS analog sockets for connection to an external unit or to a Frequency Response Analyser (please consult us),
COM1/2/3: RS232C, 3 serial ports for controlling external devices,
USB 2.0: USB-B, for connection to a PC.



Specifications

General specifications:

Auxiliary voltage: ± 17.5 V
Maximum current: ± 100 mA
Applied voltage: ± 5 V

Current measurement:

9 ranges from 1 nA to 100 mA
Best resolution 30 fA
Autoranging configurable

Scanning performances:

Scan rate applied 1000 samples /second
(typical ramp 10 V/s)

Ohmic drop compensation:

Dynamic, static and "Feed-back"

Electrochemical impedance (EIS):

1 mHz to 1 kHz
20 frequencies / decade
Applied potential step resolution 200 μ V for 1 V

Power supply:

90 to 264 Vac - 47 to 63 Hz - 30 VA
or 24 V battery
or 12 V battery using a converter

Dimensions:

Width: 13.5 cm (folded up feet)
24.7 cm (unfolded feet)
Depth: 32.6 cm
Height: 41.8 cm
Weight: 3kg

EC marking:

Compliance with the following regulations:
EMC 89/336/EEC according to the standards EN61326-1, 2002/95/EEC - (RoHS)

Environmental conditions:

Working temperature: 5 to 40°C
Relative humidity: 20 to 80 %

Accessories:

Origalys is capable to provide a whole range of electrodes and accessories: please consult us.

More info: www.origalys.com



European manufacturer



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