

LandStat

Potentiostat **G**alvanostat **I**mpedancemeter
1 up **2** channels **17.5 V** **100 mA** **Z=5MHz**



Field **M**achine with a
Robust **D**esign built in
a **W**ater **P**roof **C**abin **L**uggage



Rotating **E**lectrode
Speed **C**ontroller
2 pH
measurements
inputs
Analog I/O : Ultra
Low Current and
Booster (I/V)
Delivered:
With PC software
OrigaMaster

Corrosion & **C**athodic **P**rotection **S**urvey
Pipes & **T**ank: **G**as, **O**il, **W**ater
Navy **I**ndustry - **R**einforced **C**oncrete **S**tructure
Coating & **P**lating



ElectroChem
OrigaLys

INPUTS / OUTPUTS

Front panel per channel

POWER: 6-pin mini DIN, motor servo-controlling (rotating electrode 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

GND: banana \varnothing 4 mm protected ground, Faraday cage

E2/E2: pH measurement

Rear panel per channel

Analog I/O: 8-pin DIN, for connection of Ultra Low Current Probe and Booster (current / voltage)

COM1: RS232C

COM2: RS232C, serial port (configurable as logical I/Os) for external devices control.

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

Auto ranging configurable

Acquisition speed: 1 Million samples / second

Scanning performances:

Acquisition times ≥ 100 μ s

Ohmic drop compensation:

"Feed-back" manual or automatic

Electrochemical impedance (EIS):

10 μ Hz to **5** MHz

20 frequencies / decade

Applied potential step resolution 1mV for 1 V

Power supply:

90 to 264 Vac – 47 to 63 Hz – 30 VA per channel

Or 24 V battery

Or 12 V battery using a converter

Dimensions :

Width: 58 cm

Depth: 37 cm

Height: 25 cm

Weight: 15.5 kg



EC marking:

Compliance with the following regulations:
EMC 2004/108/EC according to the standards
N61326-1, 2011/65/EU – (RoHS 2)

Environmental conditions:

Working temperature: 5 to 40°C

Relative humidity: 20 to 80 %

Accessories:

OrigaLys ElectroChem is capable to provide a whole range of electrodes, corrosion cells and accessories: please consult us or visit our website.

LandStat can be connected to:

OrigaM μ



1 pA Range with
30 aA resolution

OrigaBookSt



From **20 V / 5 A**
To **20 V / 20 A**

OrigaTrod



100 to **10000** rpm

MORE INFO: www.chohao.com

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