µStat 8000P Multi Potentiostat

Ref. STAT8000P

DropSens is proud to announce the launch of the **world first portable Multi Potentiostat** in the market, the **NEW *µStat 8000P***.

Our brand new instrument, of only 22x20x7 cm, includes **8 channels** that can act at the same time as **8 independent potentiostats**; it also includes **one multichannel** that can act as a potentiostat where up to 8 working electrodes share an auxiliary and a reference electrode.

With ***µStat 8000P*** users can perform up to **8 different electrochemical techniques at the same time**; or carry out the **study of one technique's parameter** in just one step by applying the same electrochemical technique in several channels but selecting different values for the parameter under study. These are just examples of the enormous capabilities that our new instrument offers.

µStat 8000P can be applied for **Voltammetric** or **Amperometric** measurements, including **11 electroanalytical techniques**.

The **NEW portable** Multi Potentiostat is **Li-ion Battery powered** (DC charger adaptor also compatible), and can be easily connected to a PC via USB or **Bluetooth®**.

µStat 8000P is controlled by the powerful **software *"DropView 8400"*** which allows plotting of the measurements and performing the analysis of results. DropView software provides powerful functions such as experimental control, graphs or file handling, among others.

Available techniques:

POTENTIOSTAT

Voltammetry

LSV Linear Sweep Voltammetry
CV Cyclic Voltammetry
SWV Square Wave Voltammetry
DPV Differential Pulse Voltammetry
NPV Normal Pulse Voltammetry
NDP Differential Normal Pulse Voltammetry
ACV AC Voltammetry

Amperometry

AD Amperometric Detection
FA Fast Amperometry (t_{int} < 0.1 s)
PAD Pulsed Amperometric Detection
ZRA Zero Resistance Amperometry

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Instrument Specifications	
Power	Li-ion Battery (3800 mAh) USB DC charger adaptor compatible (5 V, 15 W)
PC interface	Bluetooth® USB
Operating modes	8x 1 Channel Potentiostat 1x 8 Channel Potentiostat
DC-Potential range	± 4.096 V
Current ranges (potentiostat)	± 1 nA to ± 100 mA (9 ranges)
Maximum measurable current	± 80 mA
Rise time	20 µs
Applied Potential Resolution:	1 mV
Measured Current Resolution	0.025 % of current range (1 pA on lowest current range)
Current Accuracy	± 0.2 %
External inputs/outputs	· 5 Digital Input/Output pins [PIO 1, PIO 2, PIO 3, PIO 4, PIO 5] · 3 Analog Inputs multiplexing PIO 1, PIO 2, PIO 3 · 2 Analog Outputs (configurable I-out or E-out)
Indicators	LCD display in front panel
Dimensions	22.2 cm x 20.5 cm x 7.5 cm (L x W x H)
Weight	1.6 kg

Control Specifications			
General Pretreatment	Conditioning stage duration:	0 – 1300 s	
	Deposition stage duration:	0 – 1300 s	
	Equilibration stage duration:	0 – 1300 s	
General Parameters	Begin, End, Base, Vertex potentials:	-4.096 V to +4.096 V	
	Step potential:	1 mV to 500 mV	
	Pulse potential:	1 mV to 250 mV	
	Scan rate:	1 ms up to 1.3 s per step	
Specific Parameters	SWV	Frequency:	1 Hz to 400 Hz
		Amplitude:	1 mV to 250 mV
	DPV, NPV, NDP	Modulation time:	1 ms to 1300 ms
		Pulse time:	1 ms to 1300 ms
	ACV	Frequency:	2 Hz to 250 Hz
		Amplitude:	5 mV to 250 mV (RMS)
	Chrono. Methods (AD, ZRA)	Interval time:	0.1 s to 1300 s
		Run time:	Hours (65000 points)
	Fast Chrono. Methods (FA)	Interval time:	1 ms to 1300 ms
		Run time:	Hours (65000 points)
	PAD	Pulse time:	1 ms to 1300 ms
		Interval time:	10 ms to 1300 ms
		Run time:	Hours (65000 points)

Specifications are subject to change without previous notice

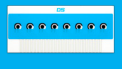
Related products

CABSTAT1

CABSTATMULTI

CAST

CAST8X



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