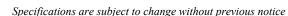
### **Specifications**

- Power	Li-ion Battery (3800 mAh) USB
- PC interface	DC charger adaptor compatible (5 V, 15 W) Bluetooth <sup>®</sup>
- Operating modes	USB 8x 1 Channel Potentiostat/Galvanostat
- DC-Potential range - Current ranges (potentiostat)	1x 8 Channel Potentiostat ±4.096 V ±1 nA to ±100 mA (9 ranges)
<ul> <li>Maximum measurable current</li> <li>Potential ranges (galvanostat)</li> </ul>	±80 mA ±100 mV, ±1 V (2 ranges)
<ul> <li>Rise time</li> <li>Applied potential resolution:</li> </ul>	20 μs 1 mV 0.025 % (
<ul> <li>Measured Current Resolution</li> <li>Applied Current Resolution</li> </ul>	0.025 % of current range (1 pA on lowest current range) 0.1 % of current output range
<ul><li>Measured Potential Resolution</li><li>Potential Accuracy</li></ul>	0.012 % of potential range ± 0.1 %
<ul> <li>Current Accuracy</li> <li>External inputs/outputs</li> </ul>	<ul> <li>± 0.2 %</li> <li>• 5 Digital Input/Output pins [PIO 1, PIO 2, PIO 3, PIO 4, PIO 5]</li> </ul>
	<ul> <li>3 Analog Inputs multiplexing PIO 1, PIO 2, PIO 3</li> <li>2 Analog Outputs (configurable I-out or E-out)</li> </ul>
- Indicators - Dimensions	LCD display in front panel 22.2 cm x 20.5 cm x 7.5 cm (L x W x H)
- Weight	1.6 kg







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µStat 8000



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

Our brand new instrument, of only 22x20x7 cm, includes 8 channels that can act at the same time as 8 independent potentiostats/ galvanostats; 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  $\mu$ *Stat 8000* 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 8000* can be applied for Voltammetric, Amperometric or Potentiometric measurements, including 18 electroanalytical techniques.

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

*µStat 8000* is controlled by the NEW 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

# **GALVANOSTAT**

- LSP Linear Sweep Potentiometry
- **CP** Cyclic Potentiometry
- **PD** Potentiometric Detection (galvanostatic)
- **FP** Fast Potentiometry ( $t_{int} < 0.1s$ )
- **ZCP** Zero Current Potentiometry
- **PSAG** Potentiometric Stripping Analysis (galvanostatic)
- **PSAF** Potentiometric Stripping Analysis (faradaic)