

# ArrayStat Specifications

## Ultra Low Current (ULC) Model

|                      |  |
|----------------------|--|
| Channel inputs       | 25   |
| Potential range      | Single channel only : $\pm 10.0$ V<br>25 channels simultaneously: $\pm 10.0$ V |
| Potential resolution | 1 mV   |
| Total current        | $\pm 250.0$ mA   |
| Current range        | 3 ( $\pm 1$ $\mu$ A, $\pm 100$ $\mu$ A and $\pm 10.0$ mA)                      |
| Current resolution   | 3 (30 pA, 3 nA, and 30 $\mu$ A)  |

## Low Current (LC) Model

|                             |  |
|-----------------------------|--|
| Channel inputs              | 25   |
| Potential range             | Single channel only : $\pm 10.0$ V<br>25 channels simultaneously: $\pm 10.0$ V |
| Potential resolution        | 1 mV   |
| Current range               | Total current: 250.0 mA  |
| Maximum current per channel | 10.0 mA  |
| Current resolution          | 3 nA   |

## High Current (HC) Model

|                             |  |
|-----------------------------|--|
| Channel inputs              | 25   |
| Potential range             | Single channel only : $\pm 9.5$ V<br>25 channels simultaneously: $\pm 5.0$ V |
| Potential resolution        | 1 mV   |
| Current range               | Total current: 20 A  |
| Maximum current per channel | 650 mA to 2 A  |
| Current resolution          | 1.5 mA   |



## Key Benefits:

- Multichannel potentiostat
- Channels can be operated in parallel or in series
- Common counter-reference electrode for combinatorial chemistry
- Choose between Ultra Low-Current (30 pA res), Low-Current (500 nA res), and High-Current (1.5 mA res)



## About NuVant Systems Inc.

NuVant Systems is a worldwide provider of electrochemical instrumentation for academicians, industries, and national laboratories. We customize electronics for analysis, reconditioning and de-energizing of batteries for aftermarkets, repurposing, and end-of-life recycling. NuVant empowers small businesses and large vehicle fleets to improve energy storage device lifecycles, bringing electrochemistry to the streets. By integrating electronics and chemistry, we offer a scientific approach to success in the renewable energy market.