



High voltage applications

Autolab/PGSTAT100N

A high voltage potentiostat/galvanostat with a compliance voltage of 100 V and maximum current of 250 mA (10 A with BOOSTER10A), the Autolab PGSTAT100N is designed to address the needs of scientists doing electrochemical measurements in extreme conditions such as organic electrolytes, soil, concrete etc.

The modular PGSTAT100N is especially adapted for experiments in electrolytes with low conductivity. The user can customize and enhance the capabilities of the PGSTAT100N by adding one or more of the available optional modules or accessories. Analog and digital inputs and outputs for interfacing and controlling external devices are available.

Optional modules

- BOOSTER10A
- FRA32M
- ADC10M
- SCAN250
- ECD
- FI20
- BA

Key features

• Electrode connections	2, 3, and 4
• Potential range	+/- 10 V
• Compliance voltage	+/- 100 V
• Maximum current	+/- 250 mA (10 A with BOOSTER10A)
• Current ranges	100 mA to 10 nA, in 8 decades (expandable to 100 pA with ECD module)
• Potential accuracy	+/- 0.2%
• Potential resolution	0.3 μ V
• Current accuracy	+/- 0.2%
• Current resolution	0.0003% (of current range)
• Input impedance	> 100 GOhm
• Potentiostat bandwidth	400 kHz
• Computer interface	USB
• Control software	NOVA

