

# AUTOLAB

## High performance

### Autolab/PGSTAT302N

Autolab/PGSTAT302N is a modular high power potentiostat/galvanostat with a maximum current of 2 A (with BOOSTER20A 20 A) and compliance voltage of 30 V. The PGSTAT302N is the benchmark for high speed digital potentiostat/galvanostat instruments.

With a bandwidth of over 1 MHz, the PGSTAT302N can be fitted with all the available Autolab modules, making it not only the fastest but also the most versatile member of the Autolab N series. Analog and digital inputs and outputs for interfacing and controlling external devices are available.

### Optional modules

- BOOSTER10A
- BOOSTER20A
- FRA32M
- ADC10M
- SCAN250
- ECD
- FI20
- ECN
- pX1000
- EQCM
- BA
- MUX

### Key features

• Electrode connections	2, 3, and 4
• Potential range	+/- 10 V
• Compliance voltage	+/- 30 V
• Maximum current	+/- 2 A (20 A with BOOSTER20A)
• Current ranges	1 A to 10 nA, in 9 decades (expandable to 100 pA with ECD module)
• Potential accuracy	+/- 0.2%
• Potential resolution	0.3 $\mu$ V
• Current accuracy	+/- 0.2%
• Current resolution	0.0003% (of current range)
• Input impedance	> 1 T $\Omega$ m
• Potentiostat bandwidth	1 MHz
• Computer interface	USB
• Control software	NOVA
• Special option	Dynamic iR-compensation

