AMETEK SI

PARSTAT 4000A

Single-channel potentiostat / galvanostat

Single-channel precision instrument for electrochemistry where accurate DC voltage control and high-frequency EIS matter.



Measurement channels	Compliance voltage
1 [1]	**±48 V** [2]

Specifications

PERFORMANCE

Applied voltage accuracy	±0.025% of setting ±1 mV	[2]
Voltage measurement accuracy	±0.025% of reading ±1 mV	[2]

MEASURING RANGE

Polarization voltage	±10 V	[2]
Minimum current range, standard	±40 pA	[2]
EIS frequency range	10 µHz–10 MHz, included	[2]

ELECTRONICS & SIGNAL

Measurement channels	1	[1]
Maximum output current	±4 A standard; ±20 A with option	[1]

SOFTWARE & DATA

Software	VersaStudio and VersaStudio Developer’s Kit	[2]

CONNECTIVITY & INTERFACE

Communication interface	USB	[2]

ENVIRONMENT & RATINGS

Compliance voltage	±48 V	[2]

GENERAL

Maximum data acquisition rate	1 MS/s (1 µs time base)	[2]

Sources

[1] **PARSTAT 4000A Potentiostat Galvanostat**
AMETEK Scientific Instruments · product-page · product page · checked 2026-10-16
https://www.ameteksi.com/products/potentiostats/single-channel/parstat-series/parstat4000a

[2] **PARSTAT Single Channel Family – Reference Grade Electrochemical Workstations**
AMETEK Scientific Instruments · brochure · p. 5; p. 4 · checked 2026-10-16
https://www.ameteksi.com/-/media/ameteksi/download_links/documentations/parstat4000a/parstat-single-channel-...

Every value is taken from the manufacturer’s own document; the number after the value refers to the source list. Always check against the latest datasheet before ordering.

The data comes from the manufacturer’s published documents. Manufacturers may change specifications; the current configuration and performance are confirmed in the quotation.