AMETEK SI

PARSTAT 3000A-DX bipotentiostat

Bipotentiostat

Two synchronized potentiostats in one compact instrument for rotating ring-disk electrodes and catalyst studies.



Measurement channels
2 independent potentiostats [1]

Compliance voltage
Channel 1: ±12 V; channel 2: ±30 V [2]

Specifications

MEASURING RANGE

Polarization voltage	Channel 1: ±10 V; channel 2: ±30 V	[2]
EIS frequency range	Channel 1: 10 µHz–1 MHz; channel 2: 10 µHz–7 MHz; included	[2]
Minimum current range, standard	4 nA on both channels	[2]

ELECTRONICS & SIGNAL

Measurement channels	2 independent potentiostats	[1]
Maximum output current	Channel 1: 2 A; channel 2: 1 A	[2]

SOFTWARE & DATA

Software	VersaStudio included	[1]

CONNECTIVITY & INTERFACE

Cell connections	6-wire capability on channel 2; unavailable on channel 1	[2]

ENVIRONMENT & RATINGS

Compliance voltage	Channel 1: ±12 V; channel 2: ±30 V	[2]

ORDERING & ACCESSORIES

Low-current option	VersaSTAT-LC on channel 1: 4 pA range	[2]

GENERAL

Maximum data acquisition rate	Channel 1: 500 kS/s; channel 2: 1 MS/s	[2]
Floating measurement / isolation	Both channels: floating or grounded	[2]
Synchronization	Hardware-synchronized start in bipotentiostat mode	[2]

Sources

[1] PARSTAT 3000A-DX Bipotentiostat
AMETEK Scientific Instruments · product-page · product page · checked 2026-10-16
https://www.ameteksi.com/products/potentiostats/parstat-3000a-dx

[2] PARSTAT 3000A-DX Bipotentiostat / Galvanostat
AMETEK Scientific Instruments · datasheet · p. 4, tables "PARSTAT 3000A-DX channel 1" and "channel 2"; p. 4 · checked 2026-10-16
https://www.ameteksi.com/-/media/ameteksi/download_links/documentations/parstat-3000a-dx/parstat-3000a-dx-us...

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.