AMETEK SI

PARSTAT MC

Modular multichannel system

Configure multiple electrochemical measurement channels for testing and research. PARSTAT MC combines replaceable modules with VersaStudio control.



Measurement channels
Up to 20 with PMC-200; up to 10 with PMC-1000 or PMC-2000A [1]

Compliance voltage
PMC-200: ±10 V; PMC-1000: ±12 V; PMC-2000A: ±30 V [1]

Specifications

MEASURING RANGE

Polarization voltage	PMC-200 / PMC-1000: ±10 V; PMC-2000A: ±30 V	[1]
EIS frequency range	PMC-200: 1 mHz–100 kHz; PMC-1000: 10 µHz–1 MHz; PMC-2000A: 10 µHz–7 MHz	[1]

ELECTRONICS & SIGNAL

Measurement channels	Up to 20 with PMC-200; up to 10 with PMC-1000 or PMC-2000A	[1]
Maximum output current	PMC-200: ±1 A per channel; PMC-1000: ±2 A; PMC-2000A: ±1 A	[1]

SOFTWARE & DATA

Software	VersaStudio included	[1]

CONNECTIVITY & INTERFACE

Cell connections	CE, WE, RE, SE; PMC-2000A has 6-wire capability with 1 auxiliary input	[1]

ENVIRONMENT & RATINGS

Compliance voltage	PMC-200: ±10 V; PMC-1000: ±12 V; PMC-2000A: ±30 V	[1]

ORDERING & ACCESSORIES

External current booster	PMC-1000 / PMC-2000A: optional ±10 / ±20 / ±30 A	[1]

GENERAL

Chassis slots	10, USB chassis	[1]
Floating measurement / isolation	Floating, isolated on PMC-200, PMC-1000 and PMC-2000A	[1]
Host system	PARSTAT MC USB chassis, 10 slots	[1]
Floating measurement	Isolated and floating	[1]

Models

Model	Measurement channels per card	Maximum current without booster	Polarization voltage	Compliance voltage
PMC-200	2 [1]	±1 A per channel [2]	±10 V [2]	±10 V [2]
PMC-1000	1 [1]	±2 A [2]	±10 V [2]	±12 V [2]
PMC-2000A	1 [1]	±1 A [1]	±30 V [1]	±30 V [2]

Model	Best voltage resolution	Best current resolution without LCI	Maximum acquisition rate	EIS frequency range
PMC-200	24-bit; 1.2 µV [1]	24-bit; 240 fA [1]	250 kS/s [2]	1 mHz–100 kHz [2]
PMC-1000	16-bit; 6 µV [1]	16-bit; 122 fA [1]	1 MS/s [1]	10 µHz–1 MHz [2]
PMC-2000A	18-bit; 916 nV [1]	18-bit; 122 fA [1]	1 MS/s [1]	10 µHz–7 MHz [2]

Model	LCI resolution with option	Auxiliary channels
PMC-200	–	–
PMC-1000	122 aA with VersaSTAT-LC [1]	–
PMC-2000A	–	1 differential channel, DC/EIS; 6-wire [1]

Sources

[1] PARSTAT MC Multichannel Potentiostat
AMETEK Scientific Instruments · product-page · Differentiated Specifications; product page; Differentiated Specifications – Grounding · checked 2026-10-16
https://www.ameteksi.com/products/potentiostats/multichannel/parstat-mc

[2] PARSTAT MC Family – multichannel potentiostat and galvanostat
AMETEK Scientific Instruments · brochure · p. 2; p. 3; p. 6 · checked 2026-10-16
https://www.ameteksi.com/-/media/ameteksi/download_links/documentations/parstat-mc/parstat-mc-brochure-us-le...

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.