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VersaSTAT-LC

Measurement interface

VersaSTAT-LC by Princeton Applied Research. Measurement interface. Required equipment and compatibility: VersaSTAT, PMC-1000 and PARSTAT 4000A; host-specific conditions.



Host system
VersaSTAT series, PARSTAT MC (PMC-1000) and PARSTAT 4000A; performance depends on host [1]

Minimum current range with VersaSTAT/PMC-1000
4 pA [1]

Resolution with VersaSTAT/PMC-1000
122 aA [1]

Specifications

Host system	VersaSTAT series, PARSTAT MC (PMC-1000) and PARSTAT 4000A; performance depends on host	[1]
Minimum current range with VersaSTAT/PMC-1000	4 pA	[1]
Resolution with VersaSTAT/PMC-1000	122 aA	[1]
Minimum current range with PARSTAT 4000A	80 fA	[1]
Resolution with PARSTAT 4000A	2.5 aA	[1]
Typical input impedance	>10^{14} Ω; <200 fF in parallel	[2]
Input bias at 25 °C	<200 fA	[2]

Sources

[1] **LC Low Current Interface**
AMETEK Scientific Instruments · product-page · Highlights; Differentiated Specifications table, column 'VersaSTAT-LC and VersaSTAT and PMC-1000'; Differentiated Specifications table, column 'VersaSTAT-LC and PARSTAT 4000A' · checked 2026-10-16
https://www.ameteksi.com/products/electrochemical-accessories/versastat-lc-low-current-interface

[2] **Low Current Interface (VersaSTAT-LC data sheet, 0918A2)**
AMETEK Scientific Instruments · datasheet · p. 2, Key Specifications – Differential Electrometer · checked 2026-10-16
https://www.ameteksi.com/-/media/ameteksi/download_links/documentations/lc-low-current-datasheet_v101.pdf?la...

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.