AMETEK SI

EnergyLab XM

Potentiostat / galvanostat for energy research

Application-focused system for research on batteries, fuel cells and supercapacitors.



Compliance voltage

±8 V [2]

Specifications

PERFORMANCE

Current resolution	1.5 pA on minimum standard range	[2]

MEASURING RANGE

Polarization voltage	±8 V	[2]
Minimum current range, standard	±30 nA	[2]

ELECTRONICS & SIGNAL

Maximum output current	±2 A internal	[1]
Auxiliary inputs	4 differential voltage inputs, simultaneous DC/EIS	[2]

SOFTWARE & DATA

EIS analysis modes	Single-sine, multisine, harmonic analysis and intermodulation	[2]
Software	XM-Studio included	[2]

ENVIRONMENT & RATINGS

Compliance voltage	±8 V	[2]

ORDERING & ACCESSORIES

External current booster	External boosters up to 100 A (options)	[2]

GENERAL

Maximum data acquisition rate	Up to 1 MS/s	[1]

Sources

[1] **EnergyLab XM – brochure**
AMETEK Scientific Instruments · brochure · p. 4 · checked 2026-10-16
https://www.ameteksi.com/-/media/ameteksi/download_links/documentations/energylabxmecs/energylab_xm_brochure...

[2] EnergyLab XM Potentiostat Galvanostat
AMETEK Scientific Instruments · product-page · Differentiated Specifications – EnergyLab XM column; product page · checked 2026-10-16
https://www.ameteksi.com/products/potentiostats/single-channel/apps-xm-series/energylab-xm

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.