AMETEK SI

Solartron Analytical 1287A

Potentiostat / galvanostat

Single-channel potentiostat/galvanostat (electrochemical interface) for electrochemical DC measurements. Paired with a frequency response analyzer such as the 1260A, it is also used for EIS up to 1 MHz.



Compliance voltage	Weight
±20 V [1]	**11 kg** [2]

Specifications

PERFORMANCE

Voltage resolution	1 µV measurement; 100 µV DC polarization	[2]
Current resolution	1 pA measurement; 100 pA DC polarization	[2]

MEASURING RANGE

Polarization voltage	±14.5 V	[1]
Current measurement ranges	200 nA–2 A full-scale ranges	[2]
EIS frequency range	10 µHz–1 MHz with 1260A FRA and ZPlot	[2]

ELECTRONICS & SIGNAL

Maximum output current	±2 A; external boosters for higher current	[1]

SOFTWARE & DATA

Software	CorrWare for DC; ZPlot for AC/EIS (software options)	[1]

CONNECTIVITY & INTERFACE

Cell connections	2, 3 or 4 terminals	[2]
Communication interface	GPIB; optional USB–GPIB adapter	[1]

MECHANICAL

Dimensions	432 × 108 × 472 mm (W × H × D)	[2]
Weight	11 kg	[2]

ENVIRONMENT & RATINGS

Compliance voltage	±20 V	[1]

GENERAL

Floating measurement / isolation	All cell connections floating	[1]

Sources

[1] **1287A Potentiostat Galvanostat**
AMETEK Scientific Instruments · product-page · product page · checked 2026-10-16
https://www.ameteksi.com/products/potentiostats/single-channel/12xx-series/1287a-potentiostat-galvanostat

[2] **1287A Electrochemical Interface**
AMETEK Scientific Instruments · datasheet · p. 2; p. 1 · checked 2026-10-16
https://www.ameteksi.com/-/media/ameteksi/download_links/documentations/1287/model-1287a.pdf?revision=583942...

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.