AMETEK SI

CellTest 1470E

Multichannel system for battery and energy storage testing

Characterize batteries, fuel cells and supercapacitors with independent DC and impedance measurements. Each 1470E unit supports eight cells at once.



Measurement channels
8 independent potentiostats [1]

Compliance voltage
±10 V [1]

Specifications

MEASURING RANGE

Minimum current range, standard	±50 µA	[1]
EIS frequency range	1455A FRA: 10 µHz–1 MHz; 1451A FRA: 10 µHz–100 kHz (options)	[1]

ELECTRONICS & SIGNAL

Measurement channels	8 independent potentiostats	[1]
Maximum output current	±4 A per channel	[1]
Current with parallel channels	Up to 32 A through parallel connection	[1]
Auxiliary inputs	14702A: 8 auxiliary voltage channels (option; only with 14701A or 14703A)	[1]

SOFTWARE & DATA

Software	CellTest included; MultiStat is an alternative	[1]

CONNECTIVITY & INTERFACE

Communication interface	Ethernet or GPIB	[1]

ENVIRONMENT & RATINGS

Compliance voltage	±10 V	[1]

GENERAL

EIS capability	Separate FRA modules for simultaneous EIS; external FRA can be multiplexed in GPIB mode	[1]
Floating measurement / isolation	Floating, independent per channel	[1]

Sources

[1] **CellTest Multichannel Potentiostat**
AMETEK Scientific Instruments · product-page · product page; Differentiated Specifications – CellTest 1470E column · checked 2026-10-16
https://www.ameteksi.com/products/potentiostats/multichannel/celltest-multichannel-potentiostat

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.