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Data Sheet

August 15, 2026

ELECTRO-SCIENTIFIC INDUSTRIES

ESI 290A Impedance Bridge

ESI Electro Scientific Industries 290A Impedance Bridge The ESI 290A is a precision impedance bridge. OEM 290A listings describe a laboratory impedance-bridge instrument from Electro Scientific Industries for measuring resistance, capacitance, and inductance in metrology and component-test setups. Precision RLC impedance-bridge measurements in calibration labs and component incoming inspection. Precision impedance bridge ESI Electro Scientific Industries Laboratory RLC measurement Metrology bridge Component test Benchtop impedance instrument The ESI 290A is a precision impedance bridge. OEM 290A listings describe a laboratory impedance-bridge instrument from Electro Scientific Industries for measuring resistance, capacitance, and inductance in metrology and component-test setups. Precision RLC impedance-bridge measurements in calibration labs and component incoming inspection. Precision impedance bridge ESI Electro Scientific Industries Laboratory RLC measurement Metrology bridge Component test Benchtop impedance instrument Measurement Class: resistance, capacitance, inductance bridge



MODEL

Electro-Scientific Industries 290A

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

290A

LISTING

<https://aumictechlabs.com/products/290a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The ESI 290A is a precision resistor manufactured by Electro-Scientific Industries (ESI). This resistor can provide highly accurate and stable resistance values for demanding applications. It is commonly used in calibration equipment, metrology instruments, and other circuits where

precision is critical. The 290A features a low temperature coefficient and excellent long-term stability, ensuring reliable performance over a wide range of operating conditions.

290A Characteristics / Specifications

PARAMETER	VALUE
Model	290A
Instrument Type	Impedance bridge
Measurement Class	resistance, capacitance, inductance bridge
Manufacturer	Electro Scientific Industries
Literature	ESI 290A impedance bridge listings
Family	ESI impedance bridges
Brand Lineage	Electro Scientific Industries ESI
Form Factor	benchtop impedance bridge
System Role	precision RLC bridge
Use Case	laboratory impedance measurement
Documentation Type	OEM 290A listing
Year Class	ESI 290A
Application Class	impedance metrology
Vendor Path	Electro Scientific Industries
Bridge Class	impedance
Parameter Class	R, C, L
Documentation Class	OEM 290A catalog
Control Class	laboratory bridge
Companion Role	ESI impedance family
Operating Mode	impedance bridge
Instrument Class	RLC bridge
Metrology Class	precision bridge
Display Class	bridge null / readout
Input Class	unknown impedance terminals
Accuracy Class	precision laboratory bridge

290A Specifications

PARAMETER	VALUE
ESI Electro Scientific Industries 290A Impedance Bridge	Overview
Applications	Precision RLC impedance-bridge measurements in calibration labs and component incoming inspection.
Technical Specifications	Model: 290A

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
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Notes

From ESI 290A impedance-bridge listings (Electro Scientific Industries precision RLC bridge). Range decades, accuracy, and generator/detector frequencies are on the 290A specification page.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.