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Data Sheet

August 14, 2026

FLUKE

Fluke 891AR Differential Voltmeter

The Fluke 891AR is the rack-mount solid-state DC differential voltmeter in the 891A/891AR family providing infinite input impedance at null up to 1100 V DC. OEM period catalog specifications list input 0 to 1100 V DC in four ranges, accuracy $\pm(0.02\% + 0.001\% \text{ of range} + 10 \text{ uV})$, null ranges 1 mV through 100 V end scale in six ranges, and rack dimensions approximately 17-1/8 in wide x 3-1/2 in high x 12-1/2 in deep. Precision DC voltage measurements on high-impedance sources, differential null metrology to 1100 V, and rack-mounted standards-lab voltage comparisons where loading error must be minimized. Precision DC voltage measurements on high-impedance sources, differential null metrology to 1100 V, and rack-mounted standards-lab voltage comparisons where loading error must be minimized. Infinite input impedance at null to 1100 V DC Half-rack 891A and slim rack 891AR package options Modular Fluke package with detented handle on portable version



MODEL

Fluke 891AR

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

891AR

LISTING

<https://aumictechlabs.com/products/891ar-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Fluke 891AR is a precision AC RMS differential voltmeter designed for accurate voltage measurements. It has high resolution and stability, making it suitable for calibration and laboratory applications. This voltmeter features a wide measurement range and various functions for detailed analysis.

891AR Characteristics / Specifications

PARAMETER	VALUE
Input Voltage	0 to 1100 V DC in four ranges
Accuracy	+/- (0.02% of input + 0.001% of range + 10 uV)
Null Ranges	1 mV through 100 V end scale in six ranges
Input Impedance At Null	Infinite from 0 to 1100 V DC
Power	115/230 VAC 50-500 Hz
Model 891A Width	8.5 in
Model 891A Height	7 in
Model 891A Depth	Approx 12 in class
Model 891AR Width	17.125 in class
Model 891AR Height	3.5 in
Model 891AR Depth	12.5 in
Null Sensitivity Class	1 mV end scale
Readout Class	Differential dials with meter null
Package	Modular Fluke solid-state package
Portable Sibling	891A half-rack with detented handle
Rack Sibling	891AR slim line full width
Primary Measurement	DC differential voltage
Maximum Voltage	1100 V DC
Range Count	Four voltage ranges
Null Range Count	Six null ranges
Measurement Type	DC differential voltmeter

891AR Specifications

PARAMETER	VALUE
Fluke 891AR DC Differential Voltmeter	Overview
Key Features	Infinite input impedance at null to 1100 V DC
Technical Specifications	Input Voltage: 0 to 1100 V DC in four ranges

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 list input 0 to 1100 V DC in four ranges, accuracy +/- (0.02% + 0.001% of range + 10 uV), null ranges 1 mV through 100 V end scale in six ranges, and rack dimensions approximately 17-1/8 in wide x 3-1/2 in high x 12-1/2 in deep.

Applications
Precision DC voltage measurements on high-impedance sources, differential null metrology to 1100 V, and rack-mounted standards-lab voltage comparisons where loading error must be minimized.

Key Features
Infinite input impedance at null to 1100 V DC
Solid-state design
Half-rack 891A and slim rack 891AR package options
1 mV end-scale null sensitivity class
Modular Fluke package with detented handle on portable version

Technical Specifications

Technical Specifications

PARAMETER	VALUE
Input Voltage	0 to 1100 V DC in four ranges
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Portable Sibling	891A half-rack with detented handle
Rack Sibling	891AR slim line full width
Primary Measurement	DC differential voltage
Maximum Voltage	1100 V DC
Range Count	Four voltage ranges

PARAMETER	VALUE
Null Range Count	Six null ranges
Measurement Type	DC differential voltmeter
Null Sensitivity Class	1 mV end scale

Notes
From Fluke period instrument catalog specifications for Models 891A and 891AR. Confirm exact depth and power consumption from the instruction manual for installation planning.

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.