Aumictech
Test & measurement · bought, sold, repaired, calibrated

Data Sheet
August 13, 2026

FLUKE

Fluke 732C DC Voltage Reference Standard

The Fluke Calibration 732C isaRoHS-compliant portable DC voltage reference standard providing 10 V, 1 V, and 0.1 V outputs for primary and secondary laboratories. Base and Select performance tiers are offered; Select models roughly double 10 V one-year stability. Four 732C units form the 734C rack reference system. Stability condition: Tcal +/-1 degC with IN CAL indicator on Related system: 734C four-cell rack enclosure Power AC: 100/120/220/240 V class; 50/60 Hz Specs from Fluke 732C/734C DC reference standard datasheet and product page. Confirm Base vs Select grade and whether the unit ships characterized under power.

MODEL	CALIBRATION
Fluke 732C	Available on request
CONDITION	STATUS
Used	In stock
RFQ / SKU	LISTING
732C	https://aumictechlabs.com/products/732c-2/

NIST-traceable cal · SAM registered · 30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Fluke 732C DC Voltage Reference Standard is a portable, battery-powered voltage source for disseminating and maintaining DC reference standards in primary and secondary calibration laboratories. It delivers three selectable output voltages - 10 V, 1 V, and 0.1 V DC - each traceable to national standards and the Fluke Calibration 10 V Josephson Array. Engineered for field portability and laboratory stability, the 732C combines long battery runtime with temperature-stable outputs and comprehensive power options for continuous or mobile operation.Technical Specifications Output Voltages & Stability 10 V DC: ±2 µV/V per year (Base models); ±1 µV/V per year (Select models) 1 V DC: ±3 µV/V per year 0.1 V DC: ±9.8 µV/V per year Stability specifications apply at Tcal ±1 °C with IN CAL indicator active Outputs referenced to common VCOM binding

post Temperature Performance 10 V output temperature coefficient: 0.04 µV/V-°C Accounts for drift when operating outside calibration temperature Power & Battery Internal battery: ≥72 hours minimum runtime at 23±5 °C with 0–0.1 mA total output current drain External DC input (rear panel): 12 V to 15 V DC, ≥300 mA capacity for indefinite operation AC line input: 100 V (90–110 V), 120 V (108–132 V), 220 V (198–242 V), 240 V (216–264 V) at 50/60 Hz AC line current at 120 V: typically 0.13 A Battery charging time: 10,000 MΩ to earth/chassis ground or AC line, shunted by <1000 pF All outputs short-circuit protected indefinitely 10 V output: rated for maximum 50 mA continuous at ≤220 V DCKey Features Three independently accessible output voltage levels Selectable Select models offer 2× greater stability at 10 V output Long-term stability dominates uncertainty over 30+ day periods Field-deployable with minimal power dependencies High source impedance isolation for sensitive measurement environmentsTypical Applications Primary and secondary reference standard maintenance Calibration laboratory voltage dissemination Portable on-site calibration verification DC voltage standard traceability chain validationCompatibility & Integration The 732C accepts multiple AC line voltages worldwide and supports external 12–15 V DC supplies for laboratory or mobile benchtop integration. Binding post outputs enable direct connection to high-impedance calibration instruments and precision voltmeters.

Features & description

From manufacturer datasheet

Features

• Three decade outputs: 10 V, 1 V, 0.1 V • Internal battery for powered transfers • Base and Select stability grades • Traceable characterization paths to Fluke Josephson Array • Mechanically independent cells for 734C systems

Applications

• Maintain and disseminate the laboratory volt • Portable interlab transfers under battery power • Artifact calibration and DMM/calibrator referencing • Buildingafour-cell 734C reference ensemble

732C Characteristics / Specifications

PARAMETER	VALUE
Model	732C
Manufacturer	Fluke Calibration
Instrument Type	DC Voltage Reference Standard
Alias	732C; Fluke 732C; 732C/S Select
Output voltages	10 V, 1 V, and 0.1 V vs VCOM
Base 10 V stability 30 days	+/-0.3 uV/V
Base 10 V stability 90 days	+/-0.8 uV/V
Base 10 V stability 1 year	+/-2.0 uV/V
Base 1 V stability 30 days	+/-0.6 uV/V
Base 1 V stability 90 days	+/-1.2 uV/V
Base 1 V stability 1 year	+/-3.0 uV/V
Base 0.1 V stability 30 days	+/-1.2 uV/V
Base 0.1 V stability 90 days	+/-2.9 uV/V
Base 0.1 V stability 1 year	+/-9.8 uV/V
Select 10 V stability 1 year	+/-1.0 uV/V
Select 1 V stability 1 year	+/-2.5 uV/V
Select 0.1 V stability 1 year	+/-8.0 uV/V 10 V output current limit: 12 mA 1 V output current limit: 1.2 mA 0.1 V output current limit: 20 uA class 10 V / 1 V output impedance: <=1 mohm 0.1 V output impedance: <=100 ohm
Battery operation	minimum 72 hours at 23+/-5 degC with 0 to 0.1 mA total drain
Charging time	less than 36 hours with automatic charger
External DC input	rear-panel 12-15 V class to run indefinitely
Stability condition	Tcal +/-1 degC with IN CAL indicator on
Related system	734C four-cell rack enclosure

PARAMETER	VALUE
Power AC	100/120/220/240 V class; 50/60 Hz Notes Specs from Fluke 732C/734C DC reference standard datasheet and product page. Confirm Base vs Select grade and whether the unit ships characterized under power.
Three decade outputs	10 V, 1 V, 0.1 V

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.

performance tiers are offered; Select models roughly double 10 V one-year stability. Four 732C units form the 734C rack reference system.

Applications
- Maintain and disseminate the laboratory volt
- Portable interlab transfers under battery power
- Artifact calibration and DMM/calibrator referencing
- Buildingafour-cell 734C reference ensemble

Key Features
- Three decade outputs: 10 V, 1 V, 0.1 V
- Internal battery for powered transfers
- Base and Select stability grades
- Traceable characterization paths to Fluke Josephson Array
- Mechanically independent cells for 734C systems

Technical Specifications

Technical Specifications

PARAMETER	VALUE
Model	732C
Manufacturer	Fluke Calibration
Instrument Type	DC Voltage Reference Standard
Alias	732C; Fluke 732C; 732C/S Select
Output voltages	10 V, 1 V, and 0.1 V vs VCOM
Base 10 V stability 30 days	+/-0.3 uV/V
Base 10 V stability 90 days	+/-0.8 uV/V
Base 10 V stability 1 year	+/-2.0 uV/V
Base 1 V stability 30 days	+/-0.6 uV/V
Base 1 V stability 90 days	+/-1.2 uV/V
Base 1 V stability 1 year	+/-3.0 uV/V
Base 0.1 V stability 30 days	+/-1.2 uV/V
Base 0.1 V stability 90 days	+/-2.9 uV/V
Base 0.1 V stability 1 year	+/-9.8 uV/V
Select 10 V stability 1 year	+/-1.0 uV/V
Select 1 V stability 1 year	+/-2.5 uV/V
Select 0.1 V stability 1 year	+/-8.0 uV/V

10 V output current limit: 12 mA
1 V output current limit: 1.2 mA

0.1 V output current limit: 20 uA class
10 V / 1 V output impedance: <=1 mohm
0.1 V output impedance: <=100 ohm

Specifications

PARAMETER	VALUE
Battery operation	minimum 72 hours at 23+/-5 degC with 0 to 0.1 mA total drain
Charging time	less than 36 hours with automatic charger
External DC input	rear-panel 12-15 V class to run indefinitely
Stability condition	Tcal +/-1 degC with IN CAL indicator on
Related system	734C four-cell rack enclosure
Power AC	100/120/220/240 V class; 50/60 Hz

Notes
Specs from Fluke 732C/734C DC reference standard datasheet and product page. Confirm Base vs Select grade and whether the unit ships characterized under power.

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
788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
https://aumictechlabs.com

NIST-traceable calibration · SAM registered · 30-day returns
NAICS 423690 · 811210 · 541380
Generated August 13, 2026