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Data Sheet

August 13, 2026

KEYSIGHT / AGILENT / HP

Keysight / Agilent / HP 9100-4715 Transformer for 3458A Multimeter

Transformer for Keysight, Agilent, and HP 3458A Multimeters. This replacement transformer ensures proper voltage conversion and reliable operation for your precision multimeter.



MODEL

**Keysight / Agilent /
HP 9100-4715**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

9100-4715

LISTING

[https://aumictechlabs.c
om/products/9100-4715
-2/](https://aumictechlabs.com/products/9100-4715-2/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Keysight/Agilent/HP 9100-4715 is a replacement power transformer engineered for the 3458A Digital Multimeter. This E-core transformer delivers essential voltage conversion and isolation required to maintain the precision measurement integrity of the 3458A platform. Dual shielding and an integrated guarding cage minimize mains noise coupling, establishing clean, isolated power domains that protect sensitive analog circuitry from electromagnetic interference. The transformer mounts on a sturdy metal chassis frame positioned behind the front panel and VFD display, away from analog signal paths. This strategic placement ensures optimal isolation from high-frequency switching noise and field disturbances that could degrade multimeter accuracy. Technical Specifications Manufacturer Part Number: 9100-4715 Transformer Type: E-core, custom manufactured Shielding Architecture: Dual shielding with guarding cage Primary Function: Voltage conversion and power isolation for 3458A multimeters Mounting Configuration: Metal

chassis frame mounting, positioned behind front panel assembly

Key Features

- Dual-shielded construction minimizes mains noise ingress into low-level analog measurement circuits
- Guarding cage provides additional electromagnetic isolation and defines separate power domains
- E-core design optimizes efficiency while reducing core losses
- Custom wound to OEM specifications for 3458A electrical requirements
- Strategic mounting location isolates transformer from sensitive front-end components

Typical Applications

- Replacement component for aging or damaged 3458A multimeters
- Restoration of precision measurement capability in field instruments
- Power integrity enhancement in systems requiring submicrovolt-level measurement resolution

Compatibility & Integration

This transformer is a direct replacement component for Keysight/Agilent/HP 3458A Digital Multimeters. It integrates into the existing power distribution architecture without modification to instrument circuitry or mechanical structure.

91004715 Characteristics / Specifications

PARAMETER	VALUE
Model	9100-4715
Manufacturer	Hewlett Packard / Agilent / Keysight
Instrument Type	Power Transformer
Alias	9100-4715
Parent Instrument	HP 3458A 8.5-digit digital multimeter
Function	mains power transformer
Form	internal chassis transformer
HP Series	9100 power transformers
Parent DCV	100 nV to 1000 V class 3458A
Parent Digits	8.5
Parent ACI DCI	3458A current ranges to 1 A class
Parent Ohms	3458A 4-wire ohms
Parent Interface	GPIB on 3458A
Status	HP 3458A service part
Installation	3458A transformer location; mains disconnected
Line Voltage	match 3458A rear switch and tap (100/120/220/240 V class)
Documentation	3458A service/clipo transformer
Safety	lethal mains and stored energy
Use	restore listed transformer function
Compatibility	3458A only
Identification	9100-4715
Cooling	3458A chassis airflow
Related	other 9100-xxxx are different instruments
NotACalibrator	transformer only
Calibration	3458A system cal / self-test after swap

PARAMETER	VALUE
ESD	analog PCA nearby
Duty	continuous in 3458A Notes Identity from HP 9100-4715 as the 3458A mains transformer. Confirm tap/voltage versus the 3458A rear selector. Do not invent secondary voltages; they are on the transformer and 3458A service schematic.

91004715 Specifications

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Applications	3458A transformer replacement
Key Features	9100-4715 3458A power transformer
Technical Specifications	Model: 9100-4715

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.

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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.