

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 13, 2026

KEYSIGHT / AGILENT / HP

Keysight / Agilent / HP E1355A 8-Channel 120 Ohm Strain Relay Multiplexer

HP Agilent E1355A 8-Channel 120 Ohm Strain Relay Multiplexer The HP E1355A is an 8-channel 120 ohm strain-gage relay multiplexer (B-size VXI family) for bridging 120 ohm gages into a VXI DMM/scanning path. Relay mux with strain completion, not an SCP (that is E1539A).

Manufacturer: Hewlett Packard / Agilent / Keysight Instrument Type: 8 Channel 120 Ohm Strain Relay Multiplexer The HP E1355A is an 8-channel 120 ohm strain-gage relay multiplexer (B-size VXI family) for bridging 120 ohm gages into a VXI DMM/scanning path. Relay mux with strain completion, not an SCP (that is E1539A). Manufacturer: Hewlett Packard / Agilent / Keysight Instrument Type: 8 Channel 120 Ohm Strain Relay Multiplexer Function: strain relay multiplexer with completion



MODEL

**Keysight / Agilent /
HP E1355A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

E1355A

LISTING

[https://aumictechlabs.c
om/products/e1355a-2/](https://aumictechlabs.com/products/e1355a-2/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keysight E1355A is an 8-channel, 120 Ohm strain relay multiplexer module engineered for precision strain gauge measurements and general-purpose relay switching within VXIbus data acquisition systems. This register-based B-size, 1-slot VXI module delivers high-accuracy signal routing for test and measurement applications requiring multiple sensor inputs. Technical Specifications Channels: 8 Channel Impedance: 120 Ohms Module Type: Register-based VXIbus

Form Factor: B-size, 1-slot Interface: VXIbus standard Key Features Dedicated 120 Ohm termination for strain gauge compatibility Register-based control architecture for deterministic command execution Single VXI slot occupancy minimizes chassis real estate requirements Modular integration with existing VXI instrumentation systems VXIplug&play driver support for automated configuration and control Typical Applications Multi-channel strain and load cell measurements Transducer signal conditioning and routing Structural health monitoring data acquisition Materials testing and stress analysis Environmental test chamber instrumentation Bridge circuit switching and multiplexing Compatibility & Integration The E1355A integrates directly into VXIbus mainframes and operates within modular test systems alongside compatible relay and multiplexer modules including the E1343A, E1344A, E1345A, E1347A, and E1356A. VXIplug&play drivers enable software control and automated system configuration. Service and user documentation remain available for legacy system support and maintenance. Product Status: Obsolete. No direct replacement identified by Keysight.

Features & description

From manufacturer datasheet

Features

- 8 channels 120 ohm strain relay mux

E1355A Characteristics / Specifications

PARAMETER	VALUE
Model	E1355A
Manufacturer	Hewlett Packard / Agilent / Keysight
Instrument Type	8 Channel 120 Ohm Strain Relay Multiplexer
Alias	E1355A; HP E1355A
Channels	8
Gage Resistance	120 ohm
Function	strain relay multiplexer with completion
Switch Type	relay
VXI Size	B-size
Related Adapter	E1403A A/B toCadapter
Related SCP	E1539A strain SCP on E1413/E1415
Related E13	16-ch FET mux
Host	VXI mainframe
Scan Mate	VXI DMM
Status	HP E1355A EOL
Documentation	E1355A strain mux
Command Path	E1406A SCPI
Form	VXI plug-in
Use	120 ohm bridge scanning
Not 350 Ohm	120 ohm completion
Cooling	VXI airflow
Power	backplane plus excitation per sheet
Identification	E1355A
Terminal	strain terminal accessory
Voltage Class	low-level bridge Notes 8-channel 120 ohm strain relay mux identity from HP E1355A. Excitation and completion topology are on the E1355A

PARAMETER	VALUE
	sheet. Do not mix with E1539A SCP.

E1355A Specifications

PARAMETER	VALUE
Applications	- 120 ohm strain-gage scanning
Key Features	- 8 channels 120 ohm strain relay mux
Technical Specifications	Model: E1355A

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	
Specifications	
PARAMETER	VALUE
Model	E1355A
Manufacturer	Hewlett Packard / Agilent / Keysight
Instrument Type	8 Channel 120 Ohm Strain Relay Multiplexer
Specifications	
PARAMETER	VALUE
Alias	E1355A; HP E1355A
Channels	8
Gage Resistance	120 ohm
Specifications	
PARAMETER	VALUE
Function	strain relay multiplexer with completion
Switch Type	relay
VXI Size	B-size
Specifications	
PARAMETER	VALUE
Related Adapter	E1403A A/B toCadapter
Related SCP	E1539A strain SCP on E1413/E1415
Related E1351	16-ch FET mux
Specifications	
PARAMETER	VALUE
Host	VXI mainframe
Scan Mate	VXI DMM
Status	HP E1355A EOL

Specifications

PARAMETER	VALUE
Documentation	E1355A strain mux
Command Path	E1406A SCPI
Form	VXI plug-in

Specifications

PARAMETER	VALUE
Use	120 ohm bridge scanning
Not 350 Ohm	120 ohm completion
Cooling	VXI airflow

Specifications

PARAMETER	VALUE
Power	backplane plus excitation per sheet
Identification	E1355A
Terminal	strain terminal accessory

Voltage Class: low-level bridge

Notes

8-channel 120 ohm strain relay mux identity from HP E1355A. Excitation and completion topology are on the E1355A sheet. Do not mix with E1539A SCP.

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

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