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Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 44708A

HP Agilent 44708A 20 Channel Relay Multiplexer for 3852A The HP 44708A is a 20-channel relay multiplexer plug-in for the 3852A. OEM 3852A tables list 44708A/44708H as a 20-channel relay multiplexer with scan speed up to 450 channels per second, used with 44701A integrating or 44702A high-speed voltmeters. Thermocouple-capable 44708 variants provide reference-junction connections for temperature scanning. Scanned DCV, thermocouple, and 2-wire ohms in 3852A data-acquisition racks. Instrument Type: Relay multiplexer plug-in The HP 44708A is a 20-channel relay multiplexer plug-in for the 3852A. OEM 3852A tables list 44708A/44708H as a 20-channel relay multiplexer with scan speed up to 450 channels per second, used with 44701A integrating or 44702A high-speed voltmeters. Thermocouple-capable 44708 variants provide reference-junction connections for temperature scanning. Scanned DCV, thermocouple, and 2-wire ohms in 3852A data-acquisition racks. Instrument Type: Relay multiplexer plug-in Scan Speed: up to 450 channels per second



MODEL

**Agilent / Keysight
44708A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

44708A

LISTING

<https://aumictechlabs.com/products/44708a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight 44708A is a 20-channel data acquisition accessory module designed to expand the measurement capabilities of the HP 3852A system. It combines a component module with a dedicated terminal block to enable precise multichannel acquisition of voltage, resistance,

thermocouple, and strain gauge signals across complex test environments. Technical Specifications Physical Dimensions: 15 × 12 × 9 inches Weight: Approximately 2 lbs Channel Configuration: 20-channel terminal module Component Module: Shared design with HP 44705A Key Features Multiplexes voltage, resistance, thermocouples, strain gages, and relay multiplexers Isothermal connector block is the reference junction for thermocouple measurements Thermistor on isothermal block measures reference temperature for automatic software compensation via the HP 3852A Temperature compensation integrated into system workflow to ensure thermocouple measurement accuracy Designed to reduce effects of real-world measurement errors in multichannel acquisition scenarios Optimized for both thermocouple temperature measurements and accurate strain gauge analysis Typical Applications Precision multichannel data acquisition in laboratory and industrial test environments Thermocouple-based temperature monitoring with reference junction compensation Strain gauge measurement and analysis in structural testing Applications requiring mitigation of systematic measurement errors across multiple channels Compatibility & Integration The 44708A is engineered for primary use with the HP 3852A data acquisition system. Its component module topology aligns with the HP 44705A, enabling consistent integration within compatible Agilent/Keysight measurement platforms.

44708A Characteristics / Specifications

PARAMETER	VALUE
Model	44708A
Instrument Type	Relay multiplexer plug-in
Host Mainframe	3852A
Channel Count	20
Scan Speed	up to 450 channels per second
Switch Type	relay multiplexer
Related Variant	44708H
Related Mux	44705A 20-channel relay multiplexer
Related Voltmeter	44701A integrating voltmeter
Backplane Note	analog backplane may hold last-channel charge; next channel absorbs stored energy (3852A manual)
Form Factor	3852A plug-in
Manufacturer	HP Agilent Keysight
Use Case	scanned analog inputs
Control	3852A CONFMEAS
Operating Temperature Class	3852A mainframe
Literature	HP 3852A configuration manual 44708A
Year Introduced Class	1986
Family	44700 series
Thermocouple	44708 family supports temperature scanning with 44701A
System Role	relay mux onto 3852A voltmeter
Related Fet Mux	44713A for 100000 ch/s class
Documentation Type	OEM plug-in table
Brand Lineage	Hewlett Packard Agilent Keysight
Operating temperature	Class: 3852A mainframe

44708A Specifications

PARAMETER	VALUE
HP Agilent 44708A 20 Channel Relay Multiplexer for 3852A	Overview
Applications	Scanned DCV, thermocouple, and 2-wire ohms in 3852A data-acquisition racks.
Key Features	20 relay-multiplexed channels
Up to 450 channels per second	3852A analog backplane
Works with 44701A and 44702A	44708H high-voltage variant in family
Technical Specifications	Model: 44708A

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: 3852A mainframe
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Operating Temperature Class	3852A mainframe
Literature	HP 3852A configuration manual 44708A
Year Introduced Class	1986
Family	44700 series
Thermocouple	44708 family supports temperature scanning with 44701A
System Role	relay mux onto 3852A voltmeter
Related Fet Mux	44713A for 100000 ch/s class
Documentation Type	OEM plug-in table
Brand Lineage	Hewlett Packard Agilent Keysight Notes From HP 44708A 20-channel relay-multiplexer listings (450 ch/s). Closed-channel resistance, bandwidth, and thermal EMF are on the 44708A specification page.

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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From HP 44708A 20-channel relay-multiplexer listings (450 ch/s). Closed-channel resistance, bandwidth, and thermal EMF are on the 44708A 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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NIST-traceable calibration · SAM registered ·
30-day returns
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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.