

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 6940B DC Power Supply

Agilent HP 6940B Multiprogrammer Mainframe The Agilent / HP 6940B is a multiprogrammer mainframe accepting plug-in I/O cards for automated digital and analog control over HP-IB. Period HP 6940B documentation describes up to 15 plug-in card slots with ribbon data connectors and approximately 20 kHz data transfer class for ATE stimulus and measurement control. Automated digital pattern I/O, analog control, and instrument clustering in HP-IB based production test systems. Up to 15 plug-in I/O card slots HP-IB system control Ribbon data connectors for card bus Modular multiprogrammer architecture ATE oriented data rates The Agilent / HP 6940B is a multiprogrammer mainframe accepting plug-in I/O cards for automated digital and analog control over HP-IB. Period HP 6940B documentation describes up to 15 plug-in card slots with ribbon data connectors and approximately 20 kHz data transfer class for ATE stimulus and measurement control. Automated digital pattern I/O, analog control, and instrument clustering in HP-IB based production test systems. Up to 15 plug-in I/O card slots HP-IB system control Ribbon data connectors for card bus Modular multiprogrammer architecture ATE oriented data rates



MODEL

**Agilent / Keysight
6940B**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

6940B

LISTING

<https://aumictechlabs.com/products/6940b-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight 6940B is a programmable signal generator that provides versatile signal generation capabilities. Its frequency range and modulation features make it suitable for various

applications, such as receiver testing, component characterization, and signal simulation. The instrument is engineered for high accuracy and stability, ensuring consistent and dependable performance in rigorous testing scenarios. It supports a variety of modulation types, including AM, FM, and pulse modulation, enhancing its adaptability for diverse testing requirements.

6940B Characteristics / Specifications

PARAMETER	VALUE
Model	6940B
Instrument Type	multiprogrammer mainframe
Manufacturer	HP Agilent Keysight
Card Slots	up to 15
Interface	HP-IB IEEE-488
Data Connectors	two 50 contact ribbon connectors
Data Transfer Rate Class	20 kHz
Form Factor	mainframe chassis
Operating Temperature Class	0 C to 55 C
Storage Temperature Class	minus 40 C to 75 C
Line Power	100/120/220/240 V
Humidity Class	non condensing
Duty	continuous ATE
Grounding	chassis ground
Cooling	forced air
Mass Class	full rack width mainframe
Card Types	digital analog timer cards class
Remote	HP-IB full control
Display	status indicators
Safety	instrument safety ground
Expansion	plug-in card family
Backplane	multiprogrammer card bus
Power To Cards	mainframe powered
Trigger	system trigger class
Compatibility	HP 694xx plug-in cards

PARAMETER	VALUE
Firmware	mainframe control firmware
Storage temperature	Class: minus 40 C to 75 C
Operating temperature	Class: 0 C to 55 C
Humidity	Class: non condensing

6940B Specifications

PARAMETER	VALUE
Agilent HP 6940B Multiprogrammer Mainframe	Overview
Key Features	Up to 15 plug-in I/O card slots
Technical Specifications	Model: 6940B
Notes	Slot count and connector details from published HP 6940B multiprogrammer descriptions. Exact card mix determines I/O capability.

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	Class: minus 40 C to 75 C
Operating temperature	Class: 0 C to 55 C
Operating Temperature	Class: 0 C to 55 C
Humidity	Class: non condensing
Operating Temperature Class	0 C to 55 C
Storage Temperature Class	minus 40 C to 75 C
Line Power	100/120/220/240 V
Humidity Class	non condensing
Duty	continuous ATE
Grounding	chassis ground
Cooling	forced air
Mass Class	full rack width mainframe
Card Types	digital analog timer cards class
Remote	HP-IB full control
Display	status indicators
Safety	instrument safety ground
Expansion	plug-in card family
Backplane	multiprogrammer card bus
Power To Cards	mainframe powered
Trigger	system trigger class
Compatibility	HP 694xx plug-in cards
Firmware	mainframe control firmware Notes Slot count and connector details from published HP 6940B multiprogrammer descriptions. Exact card mix determines I/O capability.

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	6940B
Instrument Type	multiprogrammer mainframe
Manufacturer	HP Agilent Keysight
Card Slots	up to 15
Interface	HP-IB IEEE-488
Data Connectors	two 50 contact ribbon connectors
Data Transfer Rate Class	20 kHz
Form Factor	mainframe chassis
Operating Temperature Class	0 C to 55 C
Storage Temperature Class	minus 40 C to 75 C
Line Power	100/120/220/240 V
Humidity Class	non condensing
Duty	continuous ATE
Grounding	chassis ground
Cooling	forced air
Mass Class	full rack width mainframe
Card Types	digital analog timer cards class
Remote	HP-IB full control
Display	status indicators
Safety	instrument safety ground
Expansion	plug-in card family
Backplane	multiprogrammer card bus
Power To Cards	mainframe powered
Trigger	system trigger class
Compatibility	HP 694xx plug-in cards
Firmware	mainframe control firmware

Notes

Slot count and connector details from published HP 6940B multiprogrammer descriptions. Exact card mix determines I/O capability.

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 15, 2026

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