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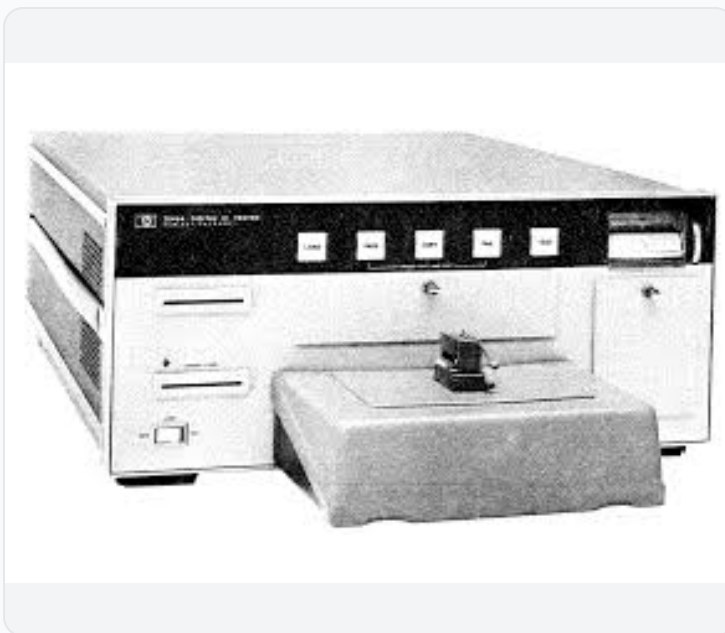
Data Sheet

August 12, 2026

HP / AGILENT

HP / Agilent 5045A DIGITAL IC TESTER

The 5045A is a digital IC tester for functional go/no-go and diagnostic testing of digital integrated circuits. It provides immediate pass/fail results with programming details and failure analysis output, plus data logging for production and service environments. Discontinued product; manuals remain available from Keysight archives (05045-90020 / 05045-90038).



MODEL HP / Agilent 5045A	CALIBRATION Available on request
CONDITION Used	STATUS In stock
RFQ / SKU 5045A	LISTING https://aumictechlabs.com/products/5045a-2/

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The HP/Agilent 5045A is a benchtop digital IC tester engineered for functional verification and fault identification across a broad range of digital integrated circuits. The instrument supports quality assurance workflows and high-volume incoming inspection with an operational simplicity that requires minimal operator training. Its universal pin electronics enable flexible test configuration for both combinatorial and sequential logic, from simple gates to memory devices. Technical Specifications Supports TTL, CMOS, and ECL logic families Maximum pin count: 16 pins per device Universal pin electronics: each pin configurable as forced voltage or current driver for inputs, outputs, open circuits, and power supplies Test programming via magnetic test cards (cards sold separately) Built-in printer for test result documentation Key Features Immediate output of programming details, pass/fail counts, and failure analysis Data logging capability for test results and failure diagnostics Single benchtop unit suitable for rapid high-volume testing Operates on standard mains voltage Circuit Coverage Capable of testing

combinatorial circuits (logic gates) and sequential circuits (memory devices such as RAMs). The universal pin architecture accommodates diverse device architectures without requiring external test fixtures or specialized adapters. Compatibility & Integration Accepts magnetic test cards for programming. Results output through integrated printer. Suitable for component verification in electronic assembly quality assurance and incoming inspection environments.

Features & description

From manufacturer datasheet

Features

- Immediate output of programming details and pass/fail counts
- Failure analysis reporting
- Data logging of test results and diagnostics
- Dedicated digital IC functional tester (not a parametric ATE)

Applications

- Incoming inspection of digital ICs
- Production go/no-go testing with pass/fail counts
- Failure analysis and diagnostic logging
- Service bench IC verification

5045A Characteristics / Specifications

PARAMETER	VALUE
Model	5045A
Manufacturer	HP / Agilent
Instrument Type	Digital IC Tester
Alias	5045A; Agilent 5045A; HP 5045A
Manual part numbers	05045-90020 (Users); 05045-90038 (Operating and Service)
Status	discontinued Notes Dense pin-count, family, and timing tables were not verified from a primary public datasheet in this pass. Confirm supported device libraries, fixture, and any option ROMs on the unit and in the accompanying manuals.

5045A Specifications

PARAMETER	VALUE
HP / Agilent 5045A Digital IC Tester	Overview
Applications	- Incoming inspection of digital ICs
Key Features	- Immediate output of programming details and pass/fail counts
Technical Specifications	Model: 5045A

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

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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.