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Data Sheet

August 13, 2026

AGILENT / KEYSIGHT

Agilent / Keysight 85060C MW Electronic Calibration (ECal) Control Unit

Keysight 85060C Electronic Calibration Control Unit The HP/Agilent/Keysight 85060C is the electronic calibration (ECal) control unit that communicates with and powers HP/Agilent 85060A, 85062A, and 85064A ECal modules. It enables single-connection one- or two-port calibrations for network analyzers with stored factory characterization data in the module. The HP/Agilent/Keysight 85060C is the electronic calibration (ECal) control unit that communicates with and powers HP/Agilent 85060A, 85062A, and 85064A ECal modules. It enables single-connection one- or two-port calibrations for network analyzers with stored factory characterization data in the module.



MODEL

**Agilent / Keysight
85060C**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

85060C

LISTING

<https://aumictechlabs.com/products/85060c-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight 85060C is an electronic calibration (ECal) control unit that automates network analyzer calibration by driving compatible ECal modules. It replaces traditional mechanical calibration standards with solid-state, traceable electronic standards, enabling single-connection one- and two-port calibrations with significantly faster cycle times and superior repeatability compared to manual methods. Technical Specifications Supports creation of 12-Term

two-port error models or 3-Term one-port error models Enables full two-port calibration with single connection Supports non-insertable calibration methodology Minimizes test port connector wear through elimination of mechanical standard insertions

Key Features Direct module control and communication with compatible ECal hardware Simplified user interface with minimal operator interaction required Automated calibration cycle execution Enhanced measurement repeatability through solid-state standard implementation Front-panel operation or external system controller integration

Compatibility & Integration The 85060C is specifically engineered to drive the following ECal modules: Agilent/Keysight 85060A Agilent/Keysight 85062A Agilent/Keysight 85064A

Historical network analyzer system compatibility includes HP 8510B, 8510C, 8719C, 8720C, 8722C, 8753B (basic modes), 8753C, and 8753D platforms. Operation via network analyzer front panel or standalone external system controller is supported.

Typical Applications Microwave measurement systems requiring automated, high-repeatability network analyzer calibration. Applicable to production test environments, field service operations, and laboratory measurement setups where connector wear mitigation and calibration consistency are critical. Note: This product is obsolete. Documentation is available for reference and legacy system support.

Features & description

From manufacturer datasheet

Features

- Full two-port calibration with single ECal connection
- Simple front-panel user interface
- Compatible with Agilent/Keysight network analyzers
- Straightforward non-insertable calibrations
- Powers and temperature-controls ECal module
- Stores no cal constants; module holds characterization

Applications

- Drive 85060A/85062A/85064A ECal modules on bench or ATE
- Single-connection two-port calibrations for coax VNA systems
- Non-insertable and insertable ECal module support per module type
- Simplify daily VNA calibration versus mechanical kits

85060C Characteristics / Specifications

PARAMETER	VALUE
Model	85060C
Manufacturer	Keysight / Agilent / Hewlett Packard
Instrument Type	Electronic Calibration Control Unit
Alias	85060C; HP 85060C; Agilent 85060C
Function	ECal module control and interface
Supported modules	85060A 85062A 85064A families
Calibration type	one-port and two-port ECal
Connection benefit	single-connection cal vs mechanical kits
User interface	front panel control unit
Analyzer compatibility	HP 8510 class and compatible VNAs
Module storage	factory cal data in ECal module not control unit
Temperature control	provided to ECal module
Insertable cal support	per module and kit option
Related 3.5 mm high band module	85062-60006 1 to 26.5 GHz
Related 7 mm module family	85060A series
Related 3.5 mm kit	85062A
Form	benchtop ECal control unit
Product class	network analyzer calibration accessory
Calibration traceability	via characterized ECal module
Publication	85060C operating programming and service manual
Typical system	85060C plus connector-specific ECal module
Warranty calibration	module factory characterization traceable
Port count supported	one-port and two-port per module type Notes Identity and function from HP 85060C Operating, Programming, and Service Manual. Confirm which ECal module(s) are included with the control unit; the 85060C alone cannot calibrate without a module.

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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Function	ECal module control and interface
Supported modules	85060A 85062A 85064A families
Calibration type	one-port and two-port ECal
Connection benefit	single-connection cal vs mechanical kits
User interface	front panel control unit
Analyzer compatibility	HP 8510 class and compatible VNAs
Module storage	factory cal data in ECal module not control unit
Temperature control	provided to ECal module
Non-insertable cal support: yes per module capability	
Insertable cal support: per module and kit option	
Option 001: rack mount kit class listing	
Specifications	
PARAMETER	VALUE
Related 3.5 mm high band module	85062-60006 1 to 26.5 GHz
Related 7 mm module family	85060A series
Related 3.5 mm kit	85062A
Form	benchtop ECal control unit
Product class	network analyzer calibration accessory
Calibration traceability	via characterized ECal module
Publication	85060C operating programming and service manual
Typical system	85060C plus connector-specific ECal module
Warranty calibration: module factory characterization traceable	
Port count supported: one-port and two-port per module type	

Notes

Identity and function from HP 85060C Operating, Programming, and Service Manual. Confirm which ECal module(s) are included with the control unit; the 85060C alone cannot calibrate without a module.

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.