

Operating and Service Manual

85022A System Cable Kit



Agilent Technologies

Part Number 85022-90001

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85022-90001

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Hewlett-Packard to Agilent Technologies Transition

This documentation supports a product that previously shipped under the Hewlett-Packard company brand name. The brand name has now been changed to Agilent Technologies. The two products are functionally identical, only our name has changed. The document still includes references to Hewlett-Packard products, some of which have been transitioned to Agilent Technologies.

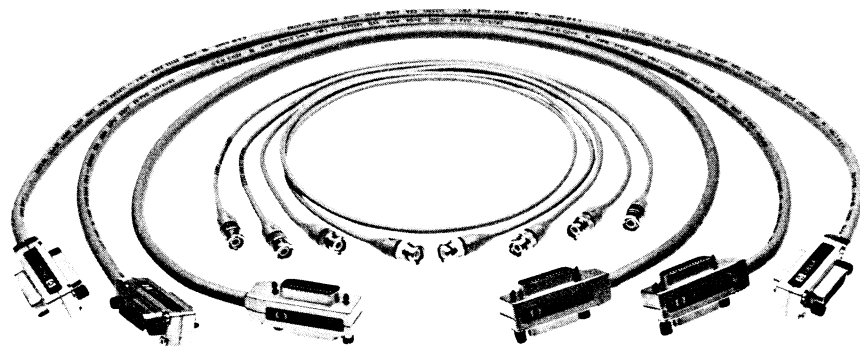
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85022A SYSTEM CABLE KIT



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Hewlett-Packard Company certifies that this product met its published specifications at the time of shipment from the factory. Hewlett-Packard further certifies that its calibration measurements are traceable to the United States National Bureau of Standards, to the extent allowed by the Bureau's calibration facility, and to the calibration facilities of other International Standards Organization members.

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Product maintenance agreements and other customer assistance agreements are available for Hewlett-Packard products.

For any assistance, contact your nearest Hewlett-Packard Sales and Service Office. Addresses are provided at the back of this manual.

DESCRIPTION

The Hewlett-Packard Model 85022A System Cable Kit is a set of three HP-IB cables and four BNC cables that provide the necessary interconnections in an HP-IB controlled network analyzer system such as the Model 8756S. A cable interconnect diagram is supplied in the Operating and Service Manual for the 8756S Automatic Scalar Network Analyzer System. HP-IB is Hewlett-Packard's hardware, software, documentation, and support for IEEE-488 and IEC-625, worldwide standards for interfacing instruments.

The three identical Model 10833A HP-IB cables feature an improved shielding design to help improve RFI levels in systems, exhibiting significantly lower radiated emissions than previous HP-IB cables. The connector block at both ends of each HP-IB cable has a plug on one side and a matching receptacle on the other, so that several cables may be conveniently connected in parallel, thus simplifying system interconnection. ISO metric-threaded lock screws provide for secure mounting of each connector block to an HP-IB instrument, or to another cable connector block.

Four BNC 50-ohm coaxial cables are supplied, terminated on both ends with BNC(m) connectors. These include three Model 11170B 61 cm (24 in.) cables and one Model 11170C 122 cm (48 in) cable. The longer cable is for use with a Model 8340A Synthesized Sweeper, to supply a modulation drive signal from the 8756A to the Model 8340A.

CHARACTERISTICS

The 85022A System Cable Kit consists of seven cables with the following characteristics:

<p>Three HP-IB Cables HP Part No. 8120-3445* (HP Model No.10833A)</p> <p>Length: 1 m (3.3 ft)</p>	<p>One BNC Cable HP Model No. 11170C</p> <p>Length: 122 cm (48 in) Impedance: 50 ohms Connectors: BNC(m)</p>	<p>Three BNC Cables HP Model No. 11170B</p> <p>Length: 61 cm (24 in) Impedance: 50 ohms Connectors: BNC(m)</p>
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*Note: Use this 8-digit part number rather than the model number when re-ordering the HP-IB cables, to expedite faster replacement.

OTHER EQUIPMENT AVAILABLE

HP-IB and BNC cables are also available in various lengths as follows:

HP-IB			BNC	
Length	Part Number	Model Number	Length	Model Number
0.5 m (1.6 ft)	8120-3444	10833D	30 cm (12 in)	11170A
2 m (6.6 ft)	8120-3446	10833B		
4 m (13.2 ft)	8120-3447	10833C		

The Model 10834A adapter is a shielded HP-IB to HP-IB adapter. It provides additional clearance between the HP-IB cable and the rear panel of the instrument. This allows easier access to switches, cables, and other connectors that may be in close proximity to the HP-IB connector.

Table 1-1. Hewlett-Packard Sales and Service Offices

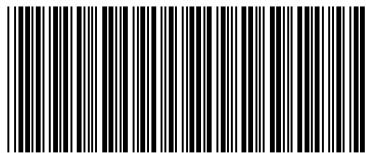
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