

SERVICE INFORMATION

MAINTENANCE SERVICES AND PRICES HEWLETT-PACKARD AUTOMATIC MEASUREMENT DIVISION

9500 AUTOMATIC TEST SYSTEMS
9600 DATA ACQUISITION SYSTEMS
2019 COUPLER CONTROLLER SYSTEMS

August 1972
(PRICES APPLY IN U.S.A.)

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HEWLETT  PACKARD

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MAINTENANCE SERVICES AND PRICES
HEWLETT-PACKARD DATA PRODUCTS



1. SERVICES AVAILABLE

The objective of Hewlett-Packard's Field Service Organization is to insure customer satisfaction with HP's products on a personalized basis, and to make available to each customer those services individually needed to realize a maximum return from his investment in HP products. A wide range of maintenance related services are available: service contracts, per-call repair service, site preparation planning, installation, spare parts, and training.

2. HP SERVICE CONTRACTS

Hewlett-Packard service contracts are designed to provide the customer with flexibility in selecting the specific coverage he needs. The price of a service contract entitles the customer to all necessary parts, labor, and travel for remedial maintenance, with the added benefit of regularly scheduled and systematic preventive maintenance of his HP products. Thus, an HP Service Contract affords the customer the assurance that his HP products will be continuously maintained in top notch operating condition at a known and budgeted cost. And, when remedial maintenance is required, the contract customer has the added benefit of knowing that his request for service will receive priority with an agreed upon response time.

A. BASIC CONTRACT COVERAGE

The basic unit of coverage is called the Principal Period of Maintenance. It consists of eight (8) consecutive hours of on-call coverage between the hours of 7 a.m. and 6 p.m., Monday through Friday. The charge related to the Principal Period of Maintenance is called the Basic Monthly Maintenance Charge.

The price list includes the Basic Monthly Maintenance Charge for each product shown, when that product is to be incorporated within a Hewlett-Packard 9500, 9600, or 2019A system.

The Basic Monthly Maintenance Charge for any specific system may be easily determined by totaling the individual charges for each product included in the system.

The monthly service contract price, thus computed, will apply when the customer installation is located within one-hundred (100) miles of a designated HP Service Office, and when the customer desires single shift coverage during the Principal Period of Maintenance. (See list of designated HP Service Offices and Major Repair Facilities).

NOTE: When multiple systems are installed at a single location and the Basic Monthly Maintenance charge approaches \$2,500 per month, the customer should consider the purchase of a full or part time resident service contract.

B. EXTENDED COVERAGE

Extended on-call coverage is available to customers located within one-hundred (100) miles of any designated HP Major Repair Facility. The charges for extensions to the Principal Period of Maintenance are:

(Expressed as a % of Basic Monthly Maintenance Charge)

<u>Consecutive Hours/Day</u>	<u>Mon-Fri</u>	<u>Sat</u>	<u>Sun</u>
8	*	+20%	+20%
16	+35%	+25%	+30%
24	+50%	+30%	+30%

C. REMOTE LOCATIONS

To determine the service contract price for installations located greater than one-hundred (100) miles from a designated HP Service Office, the following additional monthly charge will apply:

101 - 250 miles	\$100/month
250 miles and beyond	\$150 month

(NOTE: For installations greater than one-hundred (100) miles from a designated HP Service Office, coverage may be limited to the Principal Period of Maintenance).

*BASIC UNIT OF COVERAGE

3. PER-CALL SERVICE

Customers who prefer to employ HP service on a time-and-materials basis may take advantage of HP per-call service. This is, however, only recommended for customers who have their own maintenance capability or whose sense of urgency, in terms of response to their request for service is not critical. While it is HP's policy to respond as quickly as possible to all requests, service contract commitments necessarily receive priority.

The charge for services performed is computed on the basis of an hourly labor rate which applies portal to portal, for time spent in performing repair, and while in transit. There is no additional charge for travel in the local area regularly served by a designated HP Service Office. Where the installation is located outside the local area, the customer will, however, be charged for actual cost incurred by HP for use of common carrier and per diem when applicable.

A. GUIDELINES FOR PRICING PER-CALL REPAIR SERVICES

<u>Geographic Area</u>	<u>Hourly Labor Rates</u>			
	<u>Normal</u>	<u>Overtime</u>	<u>Parts</u>	<u>Per Diem</u>
U.S. Sales Regions	\$21.50	\$27.00	HP List	\$30.00

While Hewlett-Packard does not guarantee availability of Per-Call coverage outside normal HP working hours, a minimum charge will apply to each hourly call performed during this period. Customers who have a need for extended maintenance coverage are encouraged to take advantage of an HP service contract tailored to fit their individual needs.

B. MINIMUM CHARGE SCHEDULE FOR PER-CALL COVERAGE

8 a.m. - Midnight	Saturday, Sunday, and Holidays	\$100.00
5 p.m. - Midnight	Monday through Friday	\$100.00
Midnight - 8 a.m.	Monday through Sunday	\$150.00

HP customers who utilize Per-Call service are also encouraged to issue a blanket purchase order to cover such services. There is no charge for processing or administration of blanket purchase orders. An invoice will be provided to the customer for all services performed, terms net 30 days.

4. MAJOR SERVICE FACILITIES

HP customers are provided easy access to the many HP Major Repair Facilities. No authorization is ever required to return a product to HP for repair. However, a faster, more complete, and generally better job will result if complete details of the problem are supplied with the products.

HP Major Repair Facilities are equipped and staffed in depth, with personnel trained to perform fast, economical repair and overhaul of HP products. The charge for services performed within HP Major Repair Facilities is based on an hourly labor rate of \$16.00/hour. HP will arrange for pick-up and delivery where desired. The charge for necessary replacement parts and materials is based on current HP list price. Repairs are performed FOB Hewlett-Packard. Federal, State, and local taxes will apply. The inside back cover lists HP service offices and their telephone numbers.

5. USING THE PRICING GUIDE

This pricing guide has been designed to allow either a service approach (breakdown by instrumentation) or a sales approach (breakdown by system option) to pricing of a service contract. System options which reflect 230V/50Hz operation should be priced identical to their 115V/60Hz counterpart. System options which reflect only additional cabling or cabinets are no-charge options. The notation "+" after the system option number on Table 5-D indicates that the associated B.M.M.C. for that option is incomplete: refer to Table 5-E for the complete maintenance charge assigned to that option.

PRICE LIST

CROSS-REFERENCE

TABLE 5-A

2019A SYSTEMS

OPTION NUMBERS	EQUIPMENT OPTIONS	PAGE
000 - 049	2570A and 2575A Coupler/Controller Mainframes	9
050 - 099	Mainframe Accessories	9
100 - 118	BCD Input Interface	9,10
119 - 139	BCD Output Interface	9,10
140 - 159	16-Bit Relay Register Interface	9,10,11
160 - 179	8-Bit Duplex Register	9,11
180 - 199	Teleprinter Interface	9
200 - 219	Calculator Interfaces	9
220 - 239	Ten-Channel Reed Relay Scanner Card	9,11
240 - 259	Diagnostic Control Panel	11
260 - 299	Card Extenders	11
300 - 319	Pinboard Program Card	9
320 - 339	Time-Sharing Interface	10
340 - 342	Clock/Timer/Pacer Card	10
360 - 362	Incremental Magnetic Tape Interface	10
A00 - A59	HP 3480A/B Digital Voltmeter	12
A60 - A79	HP 3450A Multifunction Meter	13,14
A80 - A89	HP 2402A Integrating Digital Voltmeter	13
A90 - A99	HP 2401C Integrating Digital Voltmeter	14
C00 - C09	HP 5221B Electronic Counter	14,15
C10 - C19	HP 5245L Electronic Counter	14
C20 - C29	HP 5321B Electronic Counter	14,15
C30 - C39	HP 5325B Universal Counter	14
C40 - C59	HP 5326A/B Timer/Counter/DVM	14,15
C60 - C79	HP 5330A/B Preset Counter	15
C80 - C89	HP 5327A Universal Timer/Counter	15
C90 - C99	HP 5327B Timer/Counter/DVM	15
D00 - D10	HP 5327C Electronic Counter	15
E00 - E29	HP 2911A/B Crossbar Scanner	16
E30 - E59	HP 2912A Reed Scanner	16
E60 - E99	HP 2911/2912 Scanner Interconnecting Cables	16,17
G00 - G99	HP 5100 Series Frequency Synthesizers	17
H00 - H99	HP 6000 Series Power Supplies	17
J00 - J29	HP 6936A and HP 6937A Multiprogrammer	17,18
K00 - K09	HP 2748A High Speed Punched Tape Reader	18
K10 - K19	HP 2753A and HP 8100A High Speed Punched Tape Output	19
K20 - K29	HP 2748A Tape Reader, HP 8100A and HP 2753A Punched Tape Output	19
K30 - K59	HP Teleprinters	19,20
K60 - K99	HP Digital Recorders	20
L00 - L19	Time-Sharing Interface Kits	19,20
L20 - L99	Incremental Magnetic Tape Interface Kits	20,21
M00 - N99	HP Calculators and Calculator Peripherals	21,22,23
P00 - P99	HP Digital Thermometers	23,24

TABLE 5-B

MODEL NUMBER	CONFIGURATION OPTIONS	2019A OPTION	DESCRIPTION	B.M.M.C.
COUPLER/CONTROLLERS				
2570A	2570A Mainframe	001	Coupler/Controller Mainframe with 8 I/O Slots	7.00
2575A	2575A Mainframe	002	Coupler/Controller Mainframe with 4 I/O Slots	7.00
12817A		052	Parity Generator Card	2.00
	System Color	X95	Grey Finish on 2570A or 2575A Mainframes	NC
		050	Remote Start/Reset Option 001 to 2575A	NC
		051	Remote Start/Reset Option 001 to 2570A	NC
	12818A	053	Remote Start/Reset for 2575A - for Addition to Existing 2575A only	NC
	12819A	055	Remote Start/Reset for 2570A - for Addition to Existing 2570A from Serial Number 1135A00486 and above only	NC
	12820A	056	Remote Start/Reset for 2570A - for Addition to Existing 2570A from Serial Number 1047A00485 and below only	NC
COUPLER/CONTROLLER I/O CARDS				
12797A		100	BCD Input Interface Card	2.00
12798B-021		119	BCD Output Interface Card (+12V Pos. True)	2.00
12798B		120	BCD Output Interface Card (+5V Pos. True)	2.00
12798B-020		139	BCD Output Interface Card (+5V Gnd. True)	2.00
12799B		140	Relay Register Interface Card	4.00
12800A		160	8-Bit Duplex Register Interface Card	2.00
12801A		180	Teleprinter Interface Card	4.00
12802A		200	9100A/B Calculator Interface Card and Cable	9.00
12822A		201	9810A/20A Calculator Interface Card and Cable	6.00
12803A		220	Ten-Channel Reed Relay Scanner Card	4.50
12807A		300	Extended Pinboard Program Card	2.00

TABLE 5-B

MODEL NUMBER	CONFIGURATION OPTIONS	2019A OPTION	DESCRIPTION	B.M.M.C.
12809B		320	Time-Sharing Interface Card with Junction Box and Cable	4.00
12811A		340	Clock/Timer/Pacer Interface Card	2.50
12811A-001		341	Clock/Timer/Pacer with Plug-On Board	3.00
	Optn 002 to 12811A	342	Plug-On Board for 12811A Providing Days, 100 kHz Crystal Time-base and Emergency Power Capability	1.50
12812A-001		360	7-Track Write Only Incremental Magnetic Tape Interface Card and Cable	3.50
12812A-002		361	9-Track Write Only Incremental Magnetic Tape Interface Card and Cable	3.50
12812A-003		362	7-Track Incremental Write/Continuous Read Interface Card and Cable	3.50
	02547-6040	101	BCD Input Cable	NC
	02547-6063	102	BCD Input Cable	NC
	12797A-60002	103	BCD Input Cable	NC
	02547-6040	121	BCD Output Cable	NC
		122	BCD Output Compatibility Option 002 to 12798B	NC
	12798-60002	123	BCD Output Cable for 3450A Multi-Function Meter	NC
	12798-60003	124	BCD Output Cable for 3482A and 3484A Plug-In	NC
	12798-60009	125	BCD Output Cable for 6130B-J80 and 6131B-J80	NC
	12798-60005	127	BCD Output Cable for 5325B Universal Counter	NC
	12798-60006	128	BCD Output Cable for 5326A/B Timer/Counter/DVM	NC
	02547-6040	130	BCD Output Cable for 5055A Digital Recorder	NC
	12798-60013	131	BCD Output Cable for 6936A Multi-programmer	NC
	12798-60014	132	BCD Output Cable for 3485A 50-Channel Scanner	NC
	12799-60003	141	Relay Register Cable for 2402A IDVM	NC
	12799-60002	142	Relay Register Cable for 2401C IDVM	NC

TABLE 5-B

MODEL NUMBER	CONFIGURATION OPTIONS	2019A OPTION	DESCRIPTION	B.M.M.C.
	12799-60005	143	Relay Register Cable for 3460B/3462A DVM	NC
	12799-60004	144	Relay Register Cable for 3440A DVM	NC
	12799-60010	145	Relay Register Cable for 2801A Quartz Thermometer	NC
	12597-6004	161	8-Bit Duplex Register Cable for 2748A Tape Reader	NC
	12597-6005	162	8-Bit Duplex Register Cable for 2753A Tape Punch	NC
	12800-60002	163	8-Bit Duplex Register Cable for both 2748A and 2753A	NC
	12800-60003	164	8-Bit Duplex Register Cable for 2100 Series Computer	NC
		165	8-Bit Duplex Register Cable for 8100A-004 Tape Punch	NC
		166	8-Bit Duplex Register Cable for 8100A-004 and 2748A-001	NC
	12597-60061	167	8-Bit Duplex Register Cable for 2895A Tape Punch	NC
	12800-60004	168	8-Bit Duplex Register Cable for both 2748A and 2895A	NC
	12803-60003	221	Ten-Channel Reed Relay Scanner Card Cable	NC
	12805A	260	I/O Card Extender for 2570A and 2575A	NC
	12806A	280	Control Card Extender for 2570A	NC
	12814A	290	Card Extender Kit for 2575A	NC
DIAGNOSTIC CONTROL PANELS				
12804B		240	Diagnostic Control Panel	2.00
12804B-001		241	Diagnostic Control Panel with Remote Start/Reset	2.00

TABLE 5-B

MODEL NUMBER	CONFIGURATION OPTIONS	2019A OPTION	DESCRIPTION	B.M.M.C.
DIGITAL VOLTMETERS				
3480A/B	3480A/B Mainframe 12797A-001 I/O	A00 A01	DVMS with BCD Input Interface Card and Cable	10.00
	[and]			
	Optn 002 to 3480A/B	A05	DC Ratio Option to 3480A/B DVM	1.50
	[or]			
	3481A	A20	Buffer Amplifier Plug-In	4.00
	[or]			
	3482A-021	A30	DC Range Unit Plug-In	6.00
	[or]			
	3482A-021 12798B-004 I/O	A31	Programmed DC Range Unit with Isolated Remote Control. In- cludes BCD Output Interface Card and Cable	8.00
	[or]			
	3484A-041	A40	Multifunction Unit	6.00
	[or]			
	3484A-041 12798B-004 I/O	A41	Programmed Multifunction Unit with Isolated Remote Control. Includes BCD Output Interface Card and Cable	8.00
	Optn 042 to 3484A	A43	Ohms Converter for 3484A Multi- function Unit	2.00
	[or]			
	Optn 043 to 3484A	A44	True RMS AC Converter for 3484A Multifunction Unit	3.00
	[or]			
	Optn 044 to 3484A	A45	Fast True RMS AC Converter for 3484A Multifunction Unit	3.00
	[or]			
	3485A	A49	50-Channel Scanning Unit	4.00
	[or]			
	3485A-057 12798B-012 I/O	A50	Programmed 50-Channel Scanning Unit with Isolated Remote Control and 12798B-012 Interface Card and Cable	6.00
	[and]			
	Optn 051 to 3485A	A51	One 10-Channel Scanning Plug-In Card with 1 each 11167A Input Cable	.50
	[or]			
	Optn 052 to 3485A	A52	Two 10-Channel Scanning Plug-In Cards with 2 each 11167A Input Cables	1.00
	[or]			
	Optn 053 to 3485A		Three 10-Channel Scanning Plug- In Cards with 3 each 11167A Input Cables	1.50
	[or]			



TABLE 5-B

MODEL NUMBER	CONFIGURATION OPTIONS	2019A OPTION	DESCRIPTION	B.M.M.C.
3480A/B (cont'd)	Optn 054 to 3485A [or]	A54	Four 10-Channel Scanning Plug-In Cards with 4 each 11167A Input Cables	2.00
	Optn 055 to 3485A	A55	Five 10-Channel Scanning Plug-In Cards with 5 each 11167A Input Cables	2.50
3450A	3450A-004 Mainframe 12797A-001 I/O [or]	A60	Multifunction DVM with Digital Output and BCD Input Interface Card and Cable	16.00
	3450A-004, 005 Mainframe 12797A-001 I/O 12798B-003 I/O [and]	A61	Remote Programmable Multifunction DVM with Digital Output. Includes BCD Input and BCD Output Interface Cards and Cables	18.00
	Optn H01 to 3450A [or]	A62	60 Hz Noise Rejection for 3450A DVM	1.00
	Optn H13 to 3450A [or]	A63	50 Hz Noise Rejection for 3450A DVM	1.00
	Optn 001 to 3450A [or]	A65	AC Measurement for 3450A DVM	3.00
	Optn 002 to 3450A [or]	A66	Resistance Measurement for 3450A DVM	2.00
	Optn 003 to 3450A	A67	Limit Test for 3450A DVM	3.00
2402A	2402A Mainframe 12797A-001 I/O [or]	A80	Integrating Digital Voltmeter with BCD Input Interface Card and Cable	18.00
	2402A Mainframe 12797A-001 I/O 12799B-001 I/O [and]	A81	Remote Programmable Integrating Digital Voltmeter with BCD Input and Relay Register Interface Cards and Cables	22.00
	Optn 001 to 2402A [or]	A82	Autoranging for 2402A IDVM	1.00
	Optn 002 to 2402A [or]	A83	AC Measurement for 2402A IDVM	4.50
	Optn 003 to 2402A [or]	A84	Resistance Measurement for 2402A IDVM	6.00
	Optn 004 to 2402A [or]	A85	50 Hz Noise Rejection for 2402A IDVM	1.00
	Optn 005 to 2402A [or]	A86	Frequency Measurement for 2402A IDVM	2.00

TABLE 5-B

MODEL NUMBER	CONFIGURATION OPTIONS	2019A OPTION	DESCRIPTION	B.M.M.C.
2401C	2401C-021 Mainframe 12797A-001 I/O	A90	Integrating Digital Voltmeter with +8-4-2-1 BCD Output. Includes BCD Input Interface Card and Cable	16.00
	[or]			
	2401C-021 Mainframe 12797A-001 I/O 12799B-002 I/O	A91	Remote Programmable Integrating Digital Voltmeter with +8-4-2-1 BCD Output. Includes BCD Input and Relay Register Interface Cards and Cables	20.00
	[and]			
	Optn 029 to 2401C	A92	1 MHz Frequency Measurement for 2401C IDVM	1.00
	[or]			
	Optn 030 to 2401C	A93	Period Measurement for 2401C IDVM	1.00
[or]				
Optn 031 to 2401C	A94	Autoranging for 2401C IDVM	2.00	
		A64	50 Hz Noise Rejection Option H50 to 3450A	NC
		A69	Rear Input Terminals Option 006 to 3450A	NC
FREQUENCY COUNTERS				
5221B	5221B Mainframe 12797A-002 I/O	C00	Frequency Counter with BCD Input Interface Card and Cable	9.00
5245L	5245L-J35 Mainframe 12797A-001 I/O	C10	50 MHz Electronic Counter with +8-4-2-1 BCD Output and BCD Input Interface Card and Cable	13.00
5321B	5321B Mainframe 12797A-002 I/O	C20	Frequency Counter with BCD Input Interface Card and Cable	9.00
5325B	5325B-M03 Mainframe 12797A-002 I/O	C30	20 MHz Universal Counter with System Compatibility and BCD Input Interface Card and Cable	16.00
	[or]			
	5325B-M03 Mainframe 12797A-002 I/O 12797B-007 I/O	C31	Remote Programmable 20 MHz Universal Counter with System Compatibility. Includes BCD Input and BCD Output Interface Cards and Cables	18.00
5326A	5326A-H18 Mainframe 12797A-001 I/O	C40	Timer/Counter with System Compatibility. Includes BCD Input Interface Card and Cable	16.00
	[or]			
	5326A-H18 Mainframe 12797A-001 I/O 12798B-008 I/O	C54	Remote Programmable Timer/Counter with System Compatibility. Includes BCD Input and BCD Output Interface Cards and Cables	18.00
5326B	5326B-H38 Mainframe 12797A-001 I/O	C50	Timer/Counter/DVM with System Compatibility. Includes BCD Input Interface Card and Cable	16.00

TABLE 5-B

MODEL NUMBER	CONFIGURATION OPTIONS	2019A OPTION	DESCRIPTION	B.M.M.C.
5326B (cont'd)	5326B-H38 Mainframe 12797A-001 I/O 12798B-008 I/O	C53	Remote Programmable Timer/Counter/DVM with System Compatibility. Includes BCD Input and BCD Output Interface Cards and Cables	18.00
5330A	5330A Mainframe 12797A-002 I/O	C60	Preset Counter with BCD Input Interface Card and Cables	16.00
5330B	5330B Mainframe 12797A-002 I/O	C70	Preset Counter with Limit Switch Capability and BCD Input Interface Card and Cable	16.00
5327A	5327A-H18 Mainframe 12797A-001 I/O	C80	550 MHz Timer/Counter with System Compatibility and BCD Input Interface Card and Cable	15.00
5327B	5327B-H38 Mainframe 12797A-001 I/O	C90	550 MHz Timer/Counter/DVM with System Compatibility and BCD Input Interface Card and Cable	15.00
5327C	5327C-H18 Mainframe 12797A-001 I/O	D00	Multifunction Counter with System Compatibility and BCD Input Interface Card and Cable	15.00
		C01	6-Digit Readout Option 001 to 5221B	NC
		C02	Noise Rejection Option 002 to 5221B	NC
		C21	6-Digit Readout Option 001 to 5321B	NC
		C22	Noise Rejection Option 002 to 5321B	NC
		C41	8-Digit Readout Option 001 to 5326A	NC
		C51	8-Digit Readout Option 001 to 5326B	NC
	5100-6399	C52	Connector Panel for Rear Cable Access	NC
		C61	Presettable Counting Option 001 to 5330A	NC
		C71	Presettable Counting Option 001 to 5330B	NC
		C81	8-Digit Readout Option 001 to 5327A	NC
		C91	8-Digit Readout Option 001 to 5327B	NC
		D01	8-Digit Readout Option 001 to 5327C	NC

TABLE 5-B

MODEL NUMBER	CONFIGURATION OPTIONS	2019A OPTION	DESCRIPTION	B.M.M.C.
ANALOG SCANNERS				
2911A/B	2911A Crossbar Switch 2911B-033, 106 Contr. 12797A I/O [or]	E00	Crossbar Scanner with Systems Compatibility - Sequential Scan only. Includes BCD Input Interface Card and Cable	15.00
	2911A Crossbar Switch 2911B-033, 105 Contr. 12799B I/O [or]	E10	Crossbar Scanner with Systems Compatibility - Random Scan only. Includes Relay Register Interface Card and Cable	17.00
	2911A Crossbar Switch 2911B-033, 107 Contr. 12797A I/O 12799B I/O [and]	E20	Crossbar Scanner with Systems Compatibility - Sequential, Random Scan. Includes BCD Input and Relay Register Interface Cards and Cables	19.00
	Optn 023 to 2911A [or]	E21	Signal Switching for 2911A Crossbar Switch	10.00
	Optn 067 to 2911A	E22	Signal Switching and 3450A Compatibility for 2911A	10.00
	2912A	2912A-033 Mainframe 12797A I/O [or]	E30	Reed Relay Scanner with Systems Compatibility - Sequential Scan only. Includes BCD Input Interface Card and Cable
2912A-034 Mainframe 12799B I/O [and]		E40	Reed Relay Scanner with Systems Compatibility - Random Scan only. Includes Relay Register Interface Card and Cable	10.00
2921A [or]		E50	Low Voltage DC Module for 2912A	3.50
2922A [or]		E51	High Voltage DC/AC Module for 2912A	3.50
2923A [or]		E52	Frequency Module for 2912A	3.50
2920A		E53	Scanner Extender	4.00
5060-3689		E60	2911/2912 Scanner Interconnecting Cable	NC
5060-2323		E61	2911/2912 Scanner Interconnecting Cable	NC
10503-6001		E62	2911/2912 Scanner Interconnecting Cable	NC
5060-5733		E63	2911A/B Scanner Interconnecting Cable	NC
5060-5631		E64	2911A/B Scanner Interconnecting Cable	NC

TABLE 5-B

MODEL NUMBER	CONFIGURATION OPTIONS	2019A OPTION	DESCRIPTION	B.M.M.C.
2912A (cont'd)	5100-6552	E65	2911A/B Scanner Interconnecting Cable	NC
	5100-6502	E66	2911/2912 Scanner Interconnecting Cable	NC
FREQUENCY SYNTHESIZERS				
5100B	5100B Mainframe 5110B Driver 2759B Programmer 12798B-002 I/O	G00	50 MHz Frequency Synthesizer and Driver. Includes Programmer and BCD Output Interface Card and Cable	40.00
5102A	5102A Mainframe 2759B-100 Prog. 12798B-002 I/O	G10	1 MHz Frequency Synthesizer and 7-Digit Programmer. Includes BCD Output Interface Card and Cable	26.00
5103A	5103A Mainframe 2759B-100 Prog. 12798B-002 I/O	G20	10 MHz Frequency Synthesizer and 7-Digit Programmer. Includes BCD Output Interface Card and Cable	26.00
5105A	5105A Mainframe 5110B Driver 2759B Programmer 12798B-002 I/O	G30	500 MHz Frequency Synthesizer and Driver. Includes Programmer and BCD Output Interface Card and Cable	40.00
POWER SUPPLIES				
6130B	6130B-J80 Mainframe 12798B-005 I/O	H00	Digital Voltage Source with System Compatibility. Includes BCD Output Interface Card and Cable	15.00
6131B	6131B-J80 Mainframe 12798B-005 I/O	H10	Digital Voltage Source with System Compatibility. Includes BCD Output Interface Card and Cable	15.00
MULTIPROGRAMMERS				
6936A	6936A Mainframe 12798B-011 I/O [and]	J00	Multiprogrammer and BCD Output Interface Card and Cable	9.00
	6937A [or]	J10	Multiprogrammer Extender	3.00
	69320A [or]	J11	10-Bit D/A Converter for 6936A and 6937A	2.00
	69351A [or]	J12	Voltage Regulator Card for 6936A and 6937A	1.00

TABLE 5-B

MODEL NUMBER	CONFIGURATION OPTIONS	2019A OPTION	DESCRIPTION	B.M.M.C.	
6936A (cont'd)	69300A [or]	J13	Resistance Card for 6936A and 6937A	2.00	
	69301A [or]	J14	Resistance Card for 6936A and 6937A	2.00	
	69302A [or]	J15	Resistance Card for 6936A and 6937A	2.00	
	69303A [or]	J16	Resistance Card for 6936A and 6937A	2.00	
	69304A [or]	J17	Resistance Card for 6936A and 6937A	2.00	
	69310A [or]	J18	Resistance Card for 6936A and 6937A	2.00	
	69311A [or]	J19	Resistance Card for 6936A and 6937A	2.00	
	69312A [or]	J20	Resistance Card for 6936A and 6937A	2.00	
	69313A [or]	J21	Resistance Card for 6936A and 6937A	2.00	
	69330A [or]	J22	Relay Register Card for 6936A and 6937A	3.00	
	69321A [or]	J23	High Speed D/A Converter for 6936A and 6937A	2.00	
	69331A [or]	J24	TTL/DTL Output Card for 6936A and 6937A	1.00	
	69331A-073		J25	+ True Logic TTL/DTL Output Card for 6936A and 6937A	1.00
	HIGH SPEED PUNCHED TAPE READER				
	2748A	2748A Mainframe 12800A-001 I/O	K00	High Speed Punched Tape Reader with 8-Bit Duplex Register Interface Card and Cable	19.00
		K01	230V/50Hz Option 001 to 2748 Tape Reader	NC	

TABLE 5-B

MODEL NUMBER	CONFIGURATION OPTIONS	2019A OPTION	DESCRIPTION	B.M.M.C.
HIGH SPEED PUNCHED TAPE OUTPUT				
2753A	2753A Mainframe 12800A-002 I/O [or] 2753A Mainframe 2748A Mainframe 12800A-003 I/O	K10	High Speed Punched Tape Output with 8-Bit Duplex Register Interface Card and Cable	30.00
		K20	High Speed Punched Tape Output and High Speed Punched Tape Reader. Includes 8-Bit Duplex Register Interface Card and Cable	47.00
2895A	2895A Mainframe 12800A-007 I/O [or] 2895A Mainframe 2748A Mainframe 12800A-008 I/O	K12	High Speed Punched Tape Output with 8-Bit Duplex Register Interface Card and Cable	35.50
		K22	High Speed Punched Tape Output and High Speed Punched Tape Reader. Includes 8-Bit Duplex Register Interface Card and Cable	52.00
8100A	8100A-004 Mainframe 12800A-005 I/O	K15	High Speed Punched Tape Output with 8-Bit Duplex Register Interface Card and Cable (Available in Europe only)	35.50
8100A	8100A-004 Mainframe 2748A-001 Mainframe 12800A-006 I/O	K25	High Speed Punched Tape Output and High Speed Punched Tape Reader. Includes 8-Bit Duplex Register Interface Card and Cable	52.00
		K11	230V/50Hz Option 001 to 2753A Tape Punch	NC
		K21	230V/50Hz Option 001 to both 2748A and 2753A	NC
TELEPRINTERS				
2749A	2749A Mainframe	K30	Time-Sharing Teleprinter - does not Include Interface	60.00
2752A	2752A Mainframe 12801A I/O [or] 2752A Mainframe 12809B I/O	K40	Light Duty Teleprinter with Teleprinter Interface Card	64.00
		L00	Light Duty Teleprinter with Time-Sharing Interface Card and Cables	64.00
2754B	2754B Mainframe 12801A I/O [or] 2754B Mainframe 12809B I/O	K50	Heavy Duty Teleprinter with Teleprinter Interface Card	48.00
		L10	Heavy Duty Teleprinter with Time-Sharing Interface Card and Cables	48.00

TABLE 5-B

MODEL NUMBER	CONFIGURATION OPTIONS	2019A OPTION	DESCRIPTION	B.M.M.C.
2754B (cont'd)		K31	230V/50Hz Option 001 to 2749A Teleprinter	NC
		K41 L01	230V/50Hz Option 001 to 2752A Teleprinter	NC
		K51 L11	230V/50Hz Option 001 to 2754B Teleprinter	NC
DIGITAL RECORDERS				
5055A	5055A-H15 Mainframe 12798B-010 I/O	K80	Digital Recorder with Systems Compatibility. Add BCD Output Interface Card and Cable	13.00
5050B	5050B-M07 Mainframe 12798B-001 I/O	K90	Digital Recorder with Systems Compatibility and BCD Output Interface Card and Cable	15.00
	[and]			
	Optn 020 to 5050B	K92	Column Board Option to 5050B Recorder	1.00
	[or]			
	Optn 055 to 5050B	K93	Digital Clock Option to 5050B Recorder	6.00
		K91	230V/50Hz Option 001 to 5050B Digital Recorder	NC
MAGNETIC TAPE RECORDERS				
Kennedy 1600	1600H/5 Mainframe 12812A-001 I/O	L20	7-Track - Write only Incremental Magnetic Tape Output. Includes 556BPI Kennedy Recorder with Incremental Magnetic Tape Output Interface Card and Cable	20.50
	[or]			
	1600/360 Mainframe 12812A-002 I/O	L21	9-Track - Write only Incremental Magnetic Tape Output. Includes 800BPI Kennedy Recorder with Incremental Magnetic Tape Output Interface Card and Cable	23.50
	[or]			
	1600RH/5 Mainframe 12812A-003 I/O	L22	7-Track - Incremental Write/Continuous Read Incremental Magnetic Tape Output. Includes 556BPI Kennedy Recorder with Incremental Magnetic Tape Output Interface Card and Cable	25.50
Kennedy 1610	1610H/5 Mainframe 12812A-001 I/O	L23	7-Track - Write only Incremental Magnetic Tape Output. Includes 556BPI Kennedy Recorder with Incremental Magnetic Tape Output Interface Card and Cable	20.50
	[or]			



TABLE 5-B

MODEL NUMBER	CONFIGURATION OPTIONS	2019A OPTION	DESCRIPTION	B.M.M.C.
Kennedy 1610 (cont'd)	1610/360 Mainframe 12812A-002 I/O [or]	L24	9-Track - Write only Incremental Magnetic Tape Output. Includes 800BPI Kennedy Recorder with Incremental Magnetic Tape Output Interface Card and Cable	23.50
	1610RH/5 Mainframe 12812A-003 I/O	L25	7-Track - Incremental Write/Continuous Read Incremental Magnetic Tape Output. Includes 556BPI Kennedy Recorder with Incremental Magnetic Tape Output Interface Card and Cable	25.50
		L26	Deletes "/5" from Kennedy Recorder Model	NC
HP CALCULATORS				
9100A/B	9100A/B Mainframe 12802A I/O [and]	M00 M10	Calculator with Calculator Interface Card and Cable	29.00
	9101A Mainframe [or]	M20	Extended Memory for 9100A/B Calculators	15.00
	9102A Mainframe [or]	M30	Buffer Box for 9100A/B Calculators	1.50
	9120A Mainframe [or]	M40	Calculator Printer for 9100A/B Calculators	18.00
	9125A Mainframe [or]	M50	X-Y Plotter for 9100A/B Calculators	20.00
	9150A Mainframe [or]	M60	Large Screen Display for 9100A/B Calculators	10.00
	9160A Mainframe	M70	Optical Card Reader for 9100A/B Calculators	2.00
	9810A	9810A Mainframe 11264A ROM 12822A I/O [and]	M01	Calculator with Peripheral Control ROM and Calculator Interface Card and Cable
Optn 001 to 9810A [or]		M21	Additional 111 Data Storage Memory Registers for 9810A	2.00
Optn 002 to 9810A [or]		M22	1012 Total Program Step Memory Capability for 9810A	3.00
Optn 003 to 9810A [or]		M23	2036 Total Program Step Memory Capability for 9810A	5.00

TABLE 5-B

MODEL NUMBER	CONFIGURATION OPTIONS	2019A OPTION	DESCRIPTION	B.M.M.C.	
9810A (cont'd)	Optn 004 to 9810A [or]	M24	Built-In Printer for 9810A	4.00	
	11210A ROM [or]	M32	Mathematics ROM for 9810A	2.00	
	11211A ROM [or]	M33	Printer Alpha ROM for 9810A-004	2.00	
	11212A ROM [or]	M34	Typewriter Control ROM for 9810A	1.50	
	11213A ROM [or]	M35	User-Definable Function ROM for 9810A	2.00	
	11214A ROM [or]	M36	Statistics ROM for 9810A	2.00	
	11215A ROM [or]	M37	Plotter Control ROM for Alpha-Numeric Plotting/Labeling	2.00	
	11261A ROM [or]	M41	Combination Plotter Control/Printer Alpha ROM for 9810A	5.00	
	11262A ROM [or]	M42	Combination Peripheral Control/Tape Cassette Control ROM for 9810A	3.50	
	11264A ROM [or]	M44	Peripheral Control ROM for 9810A	2.00	
	11265A ROM [or]	M45	Tape Cassette Control ROM for 9810A	1.50	
	11266A ROM [or]	M46	Combination Peripheral Control/Printer Alpha ROM for 9810A	5.00	
	11267A ROM	M47	Combination Typewriter Control/Tape Cassette Control ROM for 9810A	2.50	
	9820A	9820A Mainframe 11220A ROM 12822A I/O [and]	M03	Calculator with Peripheral Control ROM and Calculator Interface Card and Cable	41.00
		Optn 001 to 9820A [or]	M51	429 Total Data Storage Memory Registers for 9820A	8.50
11220A ROM [or]		M55	Peripheral Control I ROM for 9820A	2.00	

TABLE 5-B

MODEL NUMBER	CONFIGURATION OPTIONS	2019A OPTION	DESCRIPTION	B.M.M.C.
9820A (cont'd)	11221A ROM [or]	M56	Mathematics ROM for 9820A	2.00
	11222A ROM	M57	User-Definable Function ROM for 9820A	2.00
	11162A	M31	Extender Cable for 9102A Buffer Box	NC
		M73	230V/50Hz Option 001 to 9861A Typewriter	NC
		M74	230V/60Hz Option 002 to 9861A Typewriter	NC
		M75	115V/50Hz Option 003 to 9861A Typewriter	NC
	11163A	M90	Calculator Desk	NC
PERIPHERALS FOR 9810A AND 9820A				
9860A	9860A Mainframe	M71	Optical Card Reader for 9800 Series Calculators	5.00
9861A	9861A Mainframe	M72	Output Typewriter for 9800 Series Calculators	13.00
9862A	9862A Mainframe [or]	M76	X-Y Plotter for 9810A Calculator	16.00
	9862A-020 Mainframe	M77	X-Y Plotter for 9820A Calculator	16.00
9863A	9863A Mainframe	M78	Paper Tape Reader for 9800 Series Calculators	8.50
9864A	9864A Mainframe	M79	Digitizer for 9800 Series Calculators	34.50
9865A	9865A Mainframe	M81	Tape Cassette for 9800 Series Calculators	10.00
DIGITAL THERMOMETERS				
2801A	2801A-006 Mainframe 12797A-001 I/O [and]	P00	Quartz Thermometer with +8-4-2-1 BCD Output Code and BCD Input Interface Card and Cable	12.00
	Optn 010 to 2801A [or]	P02	1, 10, 100 - Second Gates for 2801A	4.50

TABLE 5-B

MODEL NUMBER	CONFIGURATION OPTIONS	2019A OPTION	DESCRIPTION	B.M.M.C.
2801A (cont'd)	2801A-006 Mainframe 12797A-001 I/O 12799B-007 I/O	P07	Quartz Thermometer with +8-4-2-1 BCD Output Code. Includes BCD Input and Relay Register Interface Cards and Cables	16.00
		P01	°F Readout Option 001 to 2801A Thermometer	NC
		P03	2850A Temperature Sensor Option 015 to 2801A Quartz Thermometer	NC
		P04	2850B Temperature Sensor Option 016 to 2801A Quartz Thermometer	NC
		P05	2850C Temperature Sensor Option 017 to 2801A Quartz Thermometer	NC
		P06	2850D Temperature Sensor Option 018 to 2801A Quartz Thermometer	NC

CROSS-REFERENCE
(by Model Number)

TABLE 5-C

MODEL NUMBER	B.M.M.C.	LISTED UNDER	PAGE
05610-63010	NC	5610A	40
05610-63030	2.00	5610A	40
05610-63040	2.00	5610A	40
05610-63050	2.00	5610A	40
09401-60002	12.00	9400A	42
10487A	3.00	1150A	33
10542A	1.50	5326A/B, 5327A/B	39
11146A	3.00	3480A/B	38
11166A	1.00	3480A/B	38
1120A	1.50	1150A	33
11232A	3.00	3320B	37
1130-0827	2.50	2310B	44
1130-0828	3.50	2310B	44
1150A	31.00	-	33
11629A	3.00	5325B, Fluke 3330B, Wavetek 155 & 157, Chronetics 1012, 745A	39,41,44,45
11661A	13.00	8660A	42
11671A	1.00	8660A	42
12535A	3.00	2402A, 2911A/B, 3450A, 3480A/B	34,36,37,38
12556B	3.00	334A, 5326A/B, 5327A/B, 745A, 5105A, 5100B, 5055A, 5050B	37,39,41
12564A	5.00	-	-
12567A	3.00	2402A, 2911A	34,37
12576B	6.00	2402A, 3480A/B	34,38
12604B	3.00	2402A, 3450A, 5327A/B, 3480A/B, 2911A/B, 4270A, 5280B, 5325B, 5326A/B	34,37,38,39
12620A	NC	-	-
12621A	4.50	-	-
12661A/B	3.00	6129A, 6130A, 6131B, 6933B, 9403A	40,43
12701A	2.00	2440A	35
12702A	2.00	2440A	35
12703A	2.00	2440A	35
12704A	2.00	2440A	35
12705A	2.00	2440A	35
12706A	2.00	2440A	35
12707A	2.00	2440A	35
12708A	2.00	2440A	35
12709A	2.00	2440A	35

CROSS-REFERENCE
(by Model Number)

TABLE 5-C

MODEL NUMBER	B.M.M.C.	LISTED UNDER	PAGE
12710A	2.00	2440A	35
12712A	2.00	-	-
12719A	2.00	-	-
12724A	2.00	2440A	35
12750A	3.00	2440A	35
12751A	4.50	2440A	35
12752A	4.00	2440A	35
12753A	2.00	2440A	35
12755A	3.00	2440A	35
12756A	4.00	2440A	35
12757A	3.50	2440A	35
12759A	3.00	2440A	35
12770A	13.00	-	-
12771A	13.00	-	-
12772A	13.00	-	-
12773A	13.00	-	-
12849A	3.00	3480A	38
12880A	4.00	-	-
1331A	7.00	1150A	33
1331C-016	10.00	-	33
12865A	16.00	-	-
15166A	3.00	8100A	42
1900A	15.00	-	33
1905A	3.00	1900A	33
1908A	3.00	1900A	33
1915A	17.50	1900A	33
1917A	10.00	1900A	33
2020B	94.50	-	33
2100A	56.00	-	33
2116C	74.00	-	33
2150B	33.00	-	33
2151A	15.00	-	34
2155A	26.00	-	34
2160A/B	20.00	-	34
2310A/B	10.50	-	44
2310C	9.50	-	44

CROSS-REFERENCE
(by Model Number)

TABLE 5-C

MODEL NUMBER	B.M.M.C.	LISTED UNDER	PAGE
2331A	12.50	-	34
2402A	16.00	-	34, 35
2402A-001	1.00	2911A/B	34-37
2402A-002	4.50	2911A/B	34-37
2402A-003	6.00	2911A/B	34-37
2402A-004	2.00	2911A/B	34-37
2402A-005	1.00	2911A/B	34-37
2440A	3.00	-	35
2471B	8.00	-	36
25000C	6.00	9400B	42
25000D	6.00	9400B	42
25000H	6.00	9400B	42
25000J	6.00	9400B	42
25000K	6.00	5360A	40
25000L	3.00	9300N/P	42
25000M	3.00	9300N/P	42
25002A	12.00	9401B	43
2600A	49.00	-	36
2605A	36.50	-	36
2610A	49.00	-	36
2748A	17.00	-	36
2752A	60.00	-	36
2753A	28.00	-	36
2754B	44.00	-	36
2758A	31.00	-	36
2759B	7.00	5100B, 5105A	39
2761A	25.00	-	36
2766A	89.00	-	36
2767A	67.50	-	36
2781A	6.00	-	36
2892A	45.00	-	36
2895A	33.50	-	36
2911A	10.00	-	36
2911B	3.00	-	36

CROSS-REFERENCE**(by Model Number)**

TABLE 5-C

MODEL NUMBER	B.M.M.C.	LISTED UNDER	PAGE
2912A	6.00	2402A, 3480B	35,38
2920A	4.00	2402A	35
2921A	3.50	2402A	35
2922A	3.50	2402A	35
2923A	3.50	2402A	35
2930A	14.00	2440A	35
3320B-H07	15.00	-	37
334A-H15	15.00	-	37
3400A	6.00	-	37
3450A	14.00	-	37
3450A-001	3.00	3450A	37
3450A-002	2.00	3450A	37
3450A-H50	1.00	3450A	37
3480B	8.00	-	38
3481A	4.00	-	38
3482A	6.00	-	38
3484A	6.00	-	38
3484A-001	2.00	3480A	38
3484A-042	2.00	3484A	38
3484A-043	3.00	3484A	38
3484A-044	4.00	3484A	38
3485A	3.50	3480A	38
3485A-051	NC	3480A	38
3485A-057	1.00	-	38
355D/E46	19.00	-	
400E	6.00	-	38
4270A	19.50	-	38
432C	5.50	-	38
467A	2.00	Kronhite 4031	44
478A	1.00	432C	38
5050B	8.00	-	39
5055A	5.00	-	39
5100B	17.00	-	39
5105A	17.00	-	39
5110B	17.00	5100B, 5105A	39

CROSS-REFERENCE
(by Model Number)

TABLE 5-C

MODEL NUMBER	B.M.M.C.	LISTED UNDER	PAGE
5280A-K20	10.50	-	39
5321B-K21	7.00	-	39
5325B-H74	14.00	-	39
5326A/B	14.00	-	39
5327A/B	13.00	-	39
5360A	35.00	-	40
5365A	NC	5360A	40
5379A	9.00	5360A	40
5610A	7.50	2311A	40
60126B	1.00	9400B	42
60242B	1.00	432C	38
60246B	1.00	9400B	42
6129B-J20	13.00	-	40
6130B-J20	13.00	-	40
6131B-J20	13.00	-	40
6256B	2.00	6936A	40
6267B	2.00	6936A	40
6274B	2.00	6936A	40
6286A	2.00	9401B	43
69300A	2.00	6936A, 6940A	40,41
69301A	2.00	6936A, 6940A	40,41
69302A	2.00	6936A, 6940A, 6937A	40,41
69303A	2.00	6936A, 6940A	40,41
69304A	2.00	6936A, 6940A	40,41
69310A	2.00	6936A, 6940A	40,41
69311A	2.00	6936A	40,41
69312A	2.00	6936A, 6940A	40,41
69313A	2.00	6936A, 6940A	40,41
69320A	2.00	6936A, 6940A	40,41
69321A	2.00	6936A, 6940A	40,41
6933B-J20	13.00	-	40
69330A	3.00	6936A, 6940A	40,41
69331A	1.00	6940A	41
69351A	1.00	6936A	40
6936A	7.00	-	40

CROSS-REFERENCE
(by Model Number)

TABLE 5-C

MODEL NUMBER	B.M.M.C.	LISTED UNDER	PAGE
6936S	7.00	1900A	33
6937A	4.00	6936A	40
6937S	3.00	1900A	33
6940A	7.00	-	41
6941A	4.00	-	41
69430A	2.00	6940A	41
69431A	1.00	6940A	41
69432A	1.00	6940A	41
69433A	2.00	6940A	41
69434A	1.00	6940A	41
7004B	18.00	-	41
7210A/001	16.50	-	41
745A-H18	20.00	-	41
746A-H17	15.00	-	41
7900A	61.50	-	41
7901A	30.00	-	41
7970B	51.50	-	41
7970E	80.00	-	42
8100A	33.50	-	42
8159A	18.00	2911A/B	37
8405A-H16	24.00	-	42
8660A	20.00	-	42
86601A	10.00	8660A	42
86602A	13.00	8660A	42
86631A	1.00	8660A	42
86632A	4.00	8660A	42
9300N/P	93.00	-	42
9400A	4.00	-	42
9400B	5.00	-	42
9401B	4.00	-	43
9403A	10.00	-	43
9500B	162.00	-	43
9500D	243.00	-	43
9600A	153.00	-	43
9600E	268.00	-	44

CROSS REFERENCE
(by Model Number)

TABLE 5-C

MODEL NUMBER	B.M.M.C.	LISTED UNDER	PAGE
9600F	289.00	-	44
9600G	156.00	-	43
AMC-1000	127.00	-	44
Chronetics 1012	54.00	-	44
Fluke 3330B	52.00	-	44
Kronhite 4031	27.00	-	44
Tektronix 4002A	44.00	-	45
Wavetek 155/157	41.00	-	45
Raytheon	10.50	Data Tech Multiverter (2310A/B)	45
Raytheon	10.50	Data Tech Miniverter (2310C)	45



TABLE 5-D

MODEL NUMBER	CONFIGURATION OPTIONS	9500/9600 OPTION	DESCRIPTION	B.M.M.C.
1150A	28036A	L10 +	1150A Waveform Processor 1331A/C04 XY Display 10487A I/F Card	41.00
	28036A/002	L10 +	1120A Active Probe	1.50
1331C	28060A	R82	1331C/016 XY Display 12555A I/F Card	10.00
1900A	28033A	M30	1900A/001 Pulse Generator 6936S Multiprogrammer 12566B Microcircuit Card	25.00
	28033A/001	M36	6937S Multiprogrammer Extender	3.00
	28033A/002	M31	Additional 1900A/001 Mainframe	15.00
	28033A/005	M32	1905A/005 Rate Generator Plug-In	3.00
	28033A/006	M33	1908A/005 Delay Generator Plug-In	3.00
	28033A/007	M35	1915A/005 Output Unit Plug-In	17.50
	28033A/008	M34	1917A/005 Output Unit Plug-In	10.00
2020B	28017A	-	2020B/H27 Magnetic Tape Unit 02116-6157 Timing I/F Card 02116-6158 Control I/F Card	100.50
2100A	28055A	P00	2100A Computer W/O Memory	56.00
		P03	12884A 4096 Words Addl. Memory	7.00
		P04	12885A 8192 Words Addl. Memory	14.00
		P16	12895A DMA	17.00
2116C	28045A		2116C Computer W/8K Memory	74.00
	28045A/001		12591A Memory Parity Card	3.00
	28045A/002		12588A Power Fail/Auto Restart	3.00
	28045A/003		2160A Power Supply Extender	20.00
	28045A/005		2116C/005 8K Memory Extension	6.50
	28045A/006		2116C/006 16K Memory Extension	13.50
	28045A/007		2116C/007 24K Memory Extension	21.00
2150B	28047A		2150B I/O Extender 02116-6182 I/O-1 Ext. Driver 02116-6183 I/O-2 Ext. Driver 02150-6001 I/O-X1 Ext. Card 02150-6002 I/O-X2 Ext. Card 02116-6047 Resistance Load Card (2)	33.00

TABLE 5-D

MODEL NUMBER	CONFIGURATION OPTIONS	9500/9600 OPTION	DESCRIPTION	B.M.M.C.
2151A	28046A		2151A I/O Extender 12596A I/F Kit	22.00
	28046A/002		2151A I/O Extender 12593A I/F Kit	20.00
2155A	28056A	T00	2155A I/O Extender	26.00
2160A/B		T14	2160B Power Supply Extender	20.00
2331A	28074A	R81	2331A XY Display Unit	12.50
2402A	28002A	E06	2402A Digital Voltmeter 12604B DSI Card 12567A DVM Program I/F Card	22.00
	28002A/001	E01	2402A/001 Autoranging	1.00
	28002A/002	E02	2402A/002 AC Measurement	4.50
	28002A/003	E03	2402A/003 Ohms Measurement	6.00
	28002A/004	E04	2402A/005 Freq. Measurement	2.00
	28002A/005	E05	2402A/004 50 Hz Noise Rejection	1.00
	2058E/150	E06	2402A Digital Voltmeter 12576B Program I/F Card 12604B DSI Card	22.00
	2320A	E00	2402A Digital Voltmeter 2911A Crossbar Scanner 2911B Controller 12535A Scanner Pgm. I/F Card 12604B DSI Card 12567A DVM Pgm. I/F Card	38.00
		E44	2911A Addl. Crossbar Scanner	10.00
		E45	2911A Crossbar Scanner 8159A Controller	28.00
	2320A/001	E01	2402A/001 Autoranging	1.00
2320A/002	E04	2402A/004 Freq. Measurement	2.00	
2320A/003	E02	2402A/002 AC Measurement	4.50	
2320A/004	E03	2402A/003 Ohms Measurement	6.00	
2320A/005	E05	2402A/005 50 Hz Noise Rejection	1.00	



TABLE 5-D

MODEL NUMBER	CONFIGURATION OPTIONS	9500/9600 OPTION	DESCRIPTION	B.M.M.C.
2402A (cont'd).	2323A	E20	2402A/011 Digital Voltmeter 2912A Reed Scanner 12576B/001 Scanner Program I/F Card 12604B/001 DSI Card	31.00
	2323A/001	E01	2402A/001 Autoranging	1.00
	2323A/002	E04	2402A/004 Freq. Measurement	2.00
	2323A/003	E02	2402A/002 AC Measurement	4.50
	2323A/004	E41	2921A 10 Addl. Channel; Lo-Level Modification	3.50
	2323A/005	E42	2922A 10 Addl. Channel; Hi-Level Modification	3.50
	2323A/006	E43	2923A 9 Addl. Channel; Frequency Modification	3.50
	2323A/007	E40	2920A Scanner Extender	4.00
	2323A/008	E05	2402A/005 Hz Noise Rejection	1.00
	2440A	2313A	G00	2440A Hi-Speed A/D Unit 12750A Sample & Hold Amplifier 12751A Hi-Level Multiplexer 12752A Control Card 12753A A/D Converter 12566B I/O Cards (2)
G03			12759A Last Address Det. Card	3.00
G22			12701A 8 Chnl. 5 Hz RC Filter, 12710A Switch Card	4.00
G23			12702A 8 Chnl. 10 Hz RC Filter, 12710A Switch Card	4.00
G24			12703A 8 Chnl. 20 Hz RC Filter, 12710A Switch Card	4.00
G25			12704A 8 Chnl. 40 Hz RC Filter, 12710A Switch Card	4.00
G26			12705A 8 Chnl. 80 Hz RC Filter, 12710A Switch Card	4.00
G27			12724A 8 Chnl. 100 Hz RC Filter, 12710A Switch Card	4.00
G30			12706A 8 Chnl. 31 Hz LC Filter, 12710A Switch Card	4.00
G31			12707A 8 Chnl. 62 Hz LC Filter 12710A Switch Card	4.00
G32			12708A 8 Chnl. 125 Hz LC Filter, 12710A Switch Card	4.00
G33			12709A 8 Chnl. 250 Hz LC Filter, 12710A Switch Card	4.00
2313A/001			G01	1st Additional 2440A
2313A/002		G02	2nd Additional 2440A	3.00
2313A/100		G10	12751A Hi-Level Multiplexer Card	4.50
2313A/200		G50	12755A Pgmb1. Pacer Card	3.00
2313A/301		G20	2930A Lo-Level Multiplexer 12756A I/F Card	18.00
2313A/320		G21	Additional 2930A Lo-Level Multiplexer	14.00

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MODEL NUMBER	CONFIGURATION OPTIONS	9500/9600 OPTION	DESCRIPTION	B.M.M.C.
2471B	-	D00	2471B Dual Channel Amplifier	8.00
2600A	28028A	R04	2600A Keyboard/Display Terminal 12880A Keyboard/Display I/F Card	53.00
2605A	28066A	R06	2605A Console Printer W/Keyboard	36.50
		R07	2605A/001 Printer W/O Keyboard 12531D-001 I/O Card	40.50
2610A	28067A	R52	2610A Line Printer 12845A I/O Card	51.50
2748A	28042A	Q00	2748A Punched Tape Reader 12597A Duplex Reg. Card	19.00
2752A	28040A	R00	2752A Teleprinter 12531A I/O Card	64.00
2753A	28044A	Q03	2753A Hi-Speed Tape Punch 12597A I/O Card	30.00
2754B	28041A	R02	2754B Heavy Duty Teleprinter 12531C I/O Card	48.00
2758A	28043A	Q01	2758A Tape Reader Reroller 12597-002 I/O Card	33.00
2761A	-	Q28	2761A Mark Sense Reader 12602B I/O Card	28.00
2766A	28073A	Q80	2766A Disc Memory (Fixed Head) 2772A Disc Power Supply 12610C I/O Card 12895A DMA	119.50
2767A	28029A	R50	2767A Line Printer 12653A I/O Card	70.00
2781A	28075A	G68	2781A Pacing Unit	6.00
2892A	-	Q20	2892A Card Reader 12924A I/F Card	47.50
2895A	28054A	Q05	2895A Tape Punch 12597A Duplex Reg. Card	35.50
2911A/B	28006A	-	2911A Crossbar Scanner 2911B Scanner Controller 12535A Scanner Program Card	16.00

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MODEL NUMBER	CONFIGURATION OPTIONS	9500/9600 OPTION	DESCRIPTION	B.M.M.C.	
2911A/B (cont'd).	2320A	E00	2911A Crossbar Scanner 2911B Scanner Controller 2402A Digital Voltmeter 12535A Scanner Pgm. I/F Card 12604B DSI Card 12567A DVM Pgm. I/F Card	38.00	
		E44	2911A Addl. Crossbar Scanner	10.00	
		E45	8159A Crossbar Expander 2911A Crossbar Scanner	28.00	
	2320A/001 2320A/002 2320A/003 2320A/004 2320A/005	E01	2402A/001 Autoranging	1.00	
		E04	2402A/004 Frequency Measurement	2.00	
		E02	2402A/002 AC Measurement	4.50	
		E03	2402A/003 Ohms Measurement	6.00	
		E05	2402A/005 50Hz Noise Rejection	1.00	
		2321A	E10	2911A Crossbar Scanner 2911B Scanner Controller 3450A Digital Multimeter 12535A Scanner Pgm. I/F Card 12554A DVM Pgm. I/F Card 12604B DSI Card	36.00
	E11		3450A/001 AC/AC Ratio Meas.	3.00	
	E12		3450A/002 Res/Res Ratio Meas.	2.00	
	E13		3450A/H50 Hz Noise Rejection	1.00	
	3320B		M00	3320B Frequency Synthesizer 11232A I/F Kit	18.00
			M01	3320B Frequency Synthesizer	15.00
		M02	Adds Hi-Stability Time Base	NC	
	334A	28031A	B11	334A/H15 Distortion Analyzer 12556B Output Reg. Card	18.00
	3400A	28008A	-	3400A RMS Voltmeter 12551B Output Reg. Card	8.00
3450A	28001A	E14	3450A Digital Multimeter 12604B DSI Card 12554A Duplex Reg. Card	20.00	
		E11	3450A/001 AC/AC Ratio Meas.	3.00	
		E12	3450A/002 Res/Res Ratio Meas.	2.00	
	28001A/003	E13	3450A/H50 Hz Noise Rejection	1.00	
	2321A	E10	3450A Digital Multimeter 2911A Crossbar Scanner 2911B Scanner Controller 12535A Scanner Pgm. I/F Card 12554A DVM Pgm. I/F Card 12604B DSI Card	36.00	
		E11	3450A/001 AC/AC Ratio Meas.	3.00	
		E12	3450A/002 Res/Res Ratio Meas.	2.00	
		E13	3450A/H50 50Hz Noise Rejection	1.00	

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MODEL NUMBER	CONFIGURATION OPTIONS	9500/9600 OPTION	DESCRIPTION	B.M.M.C.
3480B	28037A	F00 + F03	3480B Digital Voltmeter 3484A Multifunction Unit 11146A I/O Card	17.00
	28037A/001	F07	3480B/001 Sample & Hold	2.00
	28037A/002	F06	3484A/042 Ohms Converter	2.00
	28037A/003	F04	3484A/043 AC Converter	3.00
	2058E/118	E30	3480B Digital Voltmeter 2911A Crossbar Scanner 2911B Scanner Controller 12535A Scanner Pgm. I/F Card 11146A DVM Pgm. DSI Card	27.00
	2058E/119	F20	3480B Digital Voltmeter 2912A Reed Scanner 12576B Scanner Pgms. DSI Card	20.00
	2058E/120	F00	3480B Digital Voltmeter 11146A DVM Pgms. DSI Card	11.00
	2058E/167	F10	3480B Digital Voltmeter 3485A Multichannel Unit 3485A/051 Fast AC Meas. 3485A/057 Isol. Remote 12604B DSI Card 12849A I/F Reg. Card	18.50
		F11	11166A Scan Unit	1.00
	3481A	2058E/121	F01	3481A Buffer Amplifier
3482A	2058E/122	F02	3482A DC Range Unit	6.00
3484A	2058E/123	F03	3484A/041 Multifunction Unit	6.00
	2058E/124	F06	3484A/042 Ohms Converter	2.00
	2058E/125	F05	3484A/044 Fast True RMS	4.00
	28037A	F03	3484A/041 Multifunction Unit	5.00
	28037A/002	F06	3484A/042 Ohms Converter	2.00
	28037A/003	F04	3484A/043 AC Converter	3.00
	355D	28009A	D03	355D/E46 Pgmb. VHF Attenuator 12551B Output Reg. Card
400E	28007A	-	400E/H16 AC Voltmeter 12551B Output Reg. Card	8.00
	28007A/001	-	400E/H15 AC Voltmeter 12551B Output Reg. Card	8.00
4270A	2058E/130	-	4270A Auto Capacitance Bridge 12604B I/O Card 12566B I/O Card	25.50
432C	28023B	L00	432C Pgmb. Power Meter 478A Thermistor Mount 60242B Slot Power Supply 12566B Microcircuit	10.50

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MODEL NUMBER	CONFIGURATION OPTIONS	9500/9600 OPTION	DESCRIPTION	B.M.M.C.
5050B	2058B/100	-	5050B/015/5X020 Printer 12556B I/O Card	16.00
	2058B/104	-	5050B/4X020 Printer 12556B I/O Card	15.00
5055A	2058B/103	-	5055A Digital Recorder 12556B I/O Card	8.00
5100B	2058D/105	-	5100B Freq. Synthesizer 5110B Synth. Driver 2759B Synth. Pgm. Card 12556B Output Reg. Card	41.00
5105A	2058D/106, 28004A	M75	5105A Freq. Synthesizer 5110B Synth. Driver 2759B Synth. Pgm. Card 12556B Output Reg. Card	41.00
5280A	2058E/136	-	5280A/004/005/K20 12604B DSI Card	13.50
	2058E/137	-	Adds 12597A Duplex Reg. Card	2.00
	2058E/138	-	Adds Manual Preset Time Base	2.00
5321B	28051A 2058E/166	H13	5321B-K21 Digital Clock 12566B Microcircuit Reg. Card	10.00
5325B	28003A	-	5325B-H74 Universal Counter 12604B DSI Card 11629A GPO I/F Card	20.00
5326A/B	2058E/164/165	H01	5326A/B-H18 Timer-Counter/DVM 12556B Output Reg. Card 12604B DSI Card	20.00
	2058E/155/156	H06/H07	5326A/B-H48 Timer-Counter/DVM 10542A I/F Card 12556B Output Reg. Card 12604B DSI Card	21.50
5327A/B	2058E/142/143	H03/H04	5327A/B-H18 Timer-Counter/DVM 12556B Output Reg. Card 12604B DSI Card	19.00
	2058E/157/158	H08/H09	5327A/B-H48 Timer-Counter/DVM 10542A I/F Card 12556B Output Reg. Card 12604B DSI Card	20.50
	28037A/28038A	H10	5327B/C10 Timer-Counter/DVM 12604B DSI Card 12556B Output Reg. Card	19.00

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MODEL NUMBER	CONFIGURATION OPTIONS	9500/9600 OPTION	DESCRIPTION	B.M.M.C.
5360A	28015A, 28058E/135	H12	5360A Computing Counter 5365A Input Module 5379A Time Interval Plug-In 25000K Data/Programming Card	50.00
5610A	2311A	G60	5610A Hi-Speed A/D Unit 12566A I/F Card	10.50
	2311A/015	G61	8 Chnl. Analog MUX, 1.0 VFS	2.00
	2311A/016	G62	8 Chnl. Analog MUX, 2.5 VFS	2.00
	2311A/017	G63	8 Chnl. Analog MUX, 10.0 VFS	2.00
	2311A/051	G64	External Pacing Module	NC
6129B	28010A/006	I36	6129B-J20 Digital Voltage Source 12661B DVS Pgm. I/O Card	16.00
	28010A/007	I37	Additional 6129B-J20 DVS	13.00
6130B	2058D/101	I30	6130B-J20 Digital Voltage Source 12661B DVS Pgm. I/O Card	16.00
	28010A/002, 2058D/102	I31	Additional 6130B-J20 DVS	13.00
6131B-J20	28010A/001, 2058D/109	I32	6131B-J20 Digital Voltage Source 12661B DVS Pgm. I/O Card	16.00
	28010A/003, 2058D/110	I33	Additional 6131B-J20 DVS	13.00
6933B	28010A/010	I34	6933B-J20 D/A Converter 12661B DVS Pgm. I/O Card	16.00
	28010A/011	I35	Additional 6933B-J20 D/A Convtr.	13.00
6936A, 6937A	2058D/117, 28030A	T15	6936A Multiprogrammer 12566B Microcircuit I/O Card	10.00
	28030A/001, 2058D/117	T16	6937A Multiprogrammer Extender	4.00
	28030A/002	I50	6256B/040 Power Supply, 10V, 20A 69301A Resistance Output Card 69310A Resistance Output Card	6.00
	28030A/004	I51	6267B/040 Power Supply, 40V, 10A 69301A Resistance Output Card 69312A Resistance Output Card	6.00
	28030A/006	I52	6274B/040 Power Supply, 60V, 15A 69302A Resistance Output Card 69312A Resistance Output Card	6.00
	28030A/008	I20	69320A D/A Output Card	2.00
	28030A/009	K05	69330A Relay Output Card	3.00
	28030A/010	I28	69351A Voltage Regulator Card	1.00

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MODEL NUMBER	CONFIGURATION OPTIONS	9500/9600 OPTION	DESCRIPTION	B.M.M.C.
6940A, 6941A	28063A	T17	6940A Multiprogrammer 12566A I/O Card	10.00
		T18	6941A Multiprogrammer Extender	4.00
		K05	69320A D/A Low Speed Pgm. Card	2.00
		K04	69330A Relay Output Card	3.00
			69331A TTL Output (Gnd. True) Card	1.00
			69430A Isolated Input Pgm. Card	2.00
		J10,J12	69431A TTL Input (Gnd. True) Card	1.00
			69434A Event Sense (Interrupt) Card	1.00
7004B	-	R83	7004B-104 XY Recorder 17173A-101 Null Detector 17178A (2) Attenuator 17012B Point Plotter 12555-016 Display I/F Card	21.00
7210A	-	R85	7210A/001 Digital Plotter 12566B I/O Card	19.50
745A	28014B	M50	745A-H18 Pgmb. AC Calibrator 12556B Output Reg. Card	23.00
746A	28014B/001	M51	746A-H17 Pgmb. Hi-Voltage Ampl.	15.00
7900A	28049A	Q70	7900A Disc Drive Unit 13215A Disc Power Supply 13210A Disc Controller 13210-60004 Control Card 13210-60000 Data Card 12895A DMA	98.00
		Q71	7900A Disc Drive Unit 13215A Power Supply	68.50
7901A	-	Q75	7901A Disc Drive W/Pwr. Supply 13210A I/F Card	42.50
		Q76	7901A Disc Drive W/Pwr. Supply	30.00
7970B/E	28070A	Q40	7970B 7-Track Magnetic Tape Unit 13182A I/F Card	91.50
	28071A	Q42	7970B 9-Track Magnetic Tape Unit 13181A I/F Card	61.50
	28032A	Q42	7970B/200 Digital Magnetic Tape Unit	61.50

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MODEL NUMBER	CONFIGURATION OPTIONS	9500/9600 OPTION	DESCRIPTION	B.M.M.C.
7970B/E (cont'd)	28072A	Q44	7970E 9-Track Magnetic Tape Unit 13181A I/F Card	90.00
		Q60,61, 62	Speed Options	NC
		Q63	Speed Option (45 ips) + DMA	17.00
8100A	-	Q07	8100A Tape Punch (Facit) 15166A I/F Card	36.50
8405A	28005A	B10	8405A/H-16 Vector Voltmeter 12551B Relay Output Reg. Cards	30.00
8660A	28048A	M20	8660A Synthetic/Sig. Generator 86601A RF Section 110 MHZ 86632A AM/FM Mod. 11671A I/F Kit	37.00
		M21	Adds Hi-Stab Time Base	NC
		-	86631A Auxiliary Section	1.00
		M22	86602A RF Section 11661A Microwave Extension Module	26.00
9300N/P	28016A	-	9300N Disc Drive Unit 9300P/001 Disc Power Supply 25000L Disc Data Card 25000M Disc Control Card	99.00
9400A	28012A	N95	9400A Distr. Switch W/2 Modules Relay Reg. Card	30.00
		N96	1st Addl. Switch 09400-60002	12.00
		N97	2nd Addl. Switch 09400-60002	12.00
9400B	28013A/B	N00,N02	9400B/001 Modular Switch 12566B Microcircuit Reg. Card	8.00
		N01	Additional 9400B Modular Switch	5.00
	28013A/B/003	N05,N06	2911A Crossbar Scanner 60246B Slot Power Supply 25000H Reed Relay Card 12566B I/O Card	20.00
		N10	25000C Driver & Storage Card	6.00
		N11	25000D Gen. Purpose Relay Card	6.00
	28013A/B/006	N12	25000H Reed Relay Card	6.00
	28013A/B/007	N13	25000J Distribution Relay Card	6.00
	28013A/B/008	N03	60126B Slot Power Supply	1.00
	28013A/B/009	N07	60246B Slot Power Supply 2911A Cross Bar Scanner 25000H Reed Relay Card	17.00
	28013A/B/011			

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MODEL NUMBER	CONFIGURATION OPTIONS	9500/9600 OPTION	DESCRIPTION	B.M.M.C.
9401B	28035A	B00	9401B Digital Test Unit 6256B Power Supply 6286A/011 Power Supply 12566B Microcircuit Reg. Card	11.00
	28035A/001	B01	Additional 9401B Digital Test Unit 6256B Power Supply 6286A/011 Power Supply (2) 28035-60007 Extender Rec. PC	10.00
	28035A/003	B03	25002A Test Module	12.00
9403A	28052A		9403A Control Panel 12661A DVS Program Card 12566B Microcircuit Reg. Card	16.00
9500B	Minimum Controller	-	HP 9500B Minimum Controller 2100A Computer W/4K Memory 2748A Punched Tape Reader 12597A Duplex Reg. Card 2752A Teleprinter 12531A I/O Card 9403A Control Panel 12661A DVS Program Card 12566A Microcircuit Reg. Card	162.00
9500D	Standard Controller	-	HP 9500D Standard Controller 2100A Computer W/4K Memory 2748A Punched Tape Reader 12597A Duplex Reg. Card 2752A Teleprinter 12531A I/O Card 9403A Control Panel 12661A DVS Program Card 12566A Microcircuit Reg. Card 7900A Disc Drive Unit 13215A Disc Power Supply 13210A Disc Controller 13210-60004 Control Card 13210-60000 Data Card	243.00
9600A	Basic Control System	-	HP 9600A Basic Control System 2100A Computer W/8K Memory 2752A Teleprinter 12531A I/O Card 2748A Punched Tape Reader 12597A Duplex Reg. Card	153.00
9600G	Data Acquisition and Control Exec. System	-	HP 9600G Data Acquisition and Control Executive System 2100A Computer W/8K Memory 12539B Time Base Generator 2752A Teleprinter 12531A I/O Card 2748A Punched Tape Reader 12597A Duplex Reg. Card	156.00

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MODEL NUMBER	CONFIGURATION OPTIONS	9500/9600 OPTION	DESCRIPTION	B.M.M.C.
9600E	Real-Time Exec. System	-	HP 9600E Real-Time Executive System 2100A Computer W/8K Memory 12885A 8K Addl. Memory 12895A Direct Memory Access. 12539B Time Base Generator 2752A Teleprinter 12531A I/O Card 2748A Punched Tape Reader 12597A Duplex Reg. Card 7900A Disc Drive 12869A Disc Cartridge 13215A Disc Power Supply 13210A Disc Controller 13210-60004 Control Card 13210-60000 Data Card	268.00
9600F	Real-Time Exec. System	-	HP 9600F Real-Time Executive System 2100A Computer W/8K Memory 12885A 8K Addl. Memory 12895A Direct Memory Access. 12539B Time Base Generator 2752A Teleprinter 12531A I/O Card 2748A Punched Tape Reader 12597A Duplex Reg. Card 2766A Disc Memory (Fixed Head) 2772A Disc Power Supply 12610C I/O Card	289.50
AMC-1000	28022A	-	AMC-1000S Waveform Analyzer AMC-901-10 Probes (2) 12566A Microcircuit Reg. Cards	135.00
Chronetics 1012	28019A	-	Chronetics 1012 Pgmb1. Pulse Generator 11629A 44-Bit Reg. Card	57.00
Data Technology Corp.*				
Multiverter*	2310A/B	G65	Raytheon 14-Bit Multiverter 12554A I/O Card	13.50
		G66	1130-0827 8-Channel Multiplexer	2.50
		G67	1130-0828 16-Channel Multiplexer	3.50
Miniverter*	2310C		Raytheon Miniverter 12566A I/O Card	12.50
Fluke 3330B	28020A	I60	Fluke 3330B Calibrator 11629A 44-Bit Reg. Card 12597A Duplex Reg. Card	57.00
Kronhite 4031	28021A	-	Kronhite 4031 Pgmb1. Oscillator 12554A Duplex Reg. Cards (2) 467A Power Amplifier	35.00

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MODEL NUMBER	CONFIGURATION OPTIONS	9500/9600 OPTION	DESCRIPTION	B.M.M.C.
Tektronic 4002A	2058A/110	-	Tektronic 4002A Terminal	44.00
Wavetek 155	2085D/100	-	Wavetek 155 Waveform Synth. 11629A 44-Bit Reg. Card	44.00
Wavetek 157	28018A	M76	Wavetek 157 Waveform Synth. 11629A 44-Bit Reg. Card	44.00



CROSS-REFERENCE

(by System Option Number)

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9500/9600 OPTION	B.M.M.C.	DESCRIPTION	PAGE
B00	11.00	9401B, 6256B, 6286A/011, 12566A	43
B01	10.00	9401B, 6256B, 6286A(2), 6286A/011(2), 28035-60006, 28035-60007	43
B03	12.00	25002A	43
B10	30.00	8405A-H16, 12551B (2)	42
B11	18.00	334A-H15, 12556B	37
D00	8.00	2471B	36
D03	19.00	355D/E46, 12551B	38
E00	38.00	2911A, 2911A/023, 2911B, 2911B/033, 2402A, 2402A/012, 12535A, 12604B, 12567A	34
E01	1.00	2402A/001	34
E02	4.50	2402A/002	34
E03	6.00	2402A/003	34
E04	2.00	2402A/004	34
E05	1.00	2402A/005	34
E06	22.00	2402A, 12604B, 12567A or 12576A	34
E10	36.00	2911A, 2911A/067, 2911B, 2911B/033, 3450A, 12535A, 12554A, 12604B	37
E11	3.00	3450A/001	37
E12	2.00	3450A/002	37
E13	1.00	3450A-H50	37
E14	20.00	3450A 12554A, 12604B	37
E20	31.00	2402A, 2402A/011, 2912A, 2912A/001, 12576B/001, 12576B, 12604B	35
E30	27.00	3480B, 2911A, 2911B, 12535A, 11146A	38
E40	4.00	2920A	35
E41	3.50	2921A	35
E42	3.50	2922A	35
E43	3.50	2923A	35
E44	10.00	2911A, 2911B/056	34,37
E45	28.00	2911A, 8159A	34,37
E46	10.00	2911A	See E44
F00	11.00	3480B, 3480B/004, 11146A	38
F01	4.00	3481A	38
F02	6.00	3482A	38
F03	6.00	3484A, 3484A/041	38
F04	3.00	3484A/043	38
F05	4.00	3484A/044	38
F06	2.00	3484A/042	38

CROSS-REFERENCE**(by System Option Number)**

TABLE 5-E

9500/9600 OPTION	B.M.M.C.	DESCRIPTION	PAGE
F07	2.00	3484A/001	38
F10	18.50	3480B, 3480B/004, 3485A, 3485A/051, 3485A/057, 12604B, 12849A	38
F11	1.00	11166A	38
G00	22.50	2440A, 12750A, 12751A, 12752A, 12753A, 12566B (2)	35
G01	3.00	2440A	35
G02	3.00	2440A	35
G03	3.00	12759A	35
G10	4.50	12751A	35
G20	18.00	2930A, 12712A, 12719A, 12756A	35
G21	14.00	2930A	35
G22	4.00	12701A, 12710A	35
G23	4.00	12702A, 12710A	35
G24	4.00	12703A, 12710A	35
G25	4.00	12704A, 12710A	35
G26	4.00	12705A, 12710A	35
G27	4.00	12724A, 12710A	35
G30	4.00	12706A, 12710A	35
G31	4.00	12707A, 12710A	35
G32	4.00	12708A, 12710A	35
G33	4.00	12709A, 12710A	35
G50	3.00	12755A	35
G60	10.50	5610A, 12566A	40
G61	2.00	05610-63030	40
G62	2.00	05610-63050	40
G63	2.00	05610-63040	40
G64	NC	05610-63010	40
G65	13.50	Raytheon 24-14B, 12554A	44
G66	2.50	8-Channel Multiplexer 1130-0827	44
G67	3.50	16-Channel Multiplexer 1130-0828	44
G68	6.00	2781A	36
H00 or H01	20.00	5326A-H18, 5326A/002, 5326A/003, 12556B, 12604B	39
H03 or H04	19.00	5327A-H18, 5327A/002, 5327A/003, 12556B, 12604B	39
H06 or H07	21.50	5326A-H48, 5326A/003, 5326A/004, 10542A, 12556B, 12604B	39
H08 or H09	20.50	5327A-H48, 5327A/003, 5327A/004, 10542A, 12556B, 12604B	39



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(by System Option Number)

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9500/9600 OPTION	B.M.M.C.	DESCRIPTION	PAGE
H10 or H11	19.00	5327B-C10, 5327B/003, 5327B/004, 12604B, 12556B	39
H12	50.00	5360A, 5365A, 5379A, 25000K	40
H13	10.00	5321B-K21, 12566B	39
I00	2.00	69300A	See 6936A/40A
I01	2.00	69301A	See 6936A/40A
I02	2.00	69302A	See 6936A/40A
I03	2.00	69303A	See 6936A/40A
I04	2.00	69304A	See 6936A/40A
I10	2.00	69310A	See 6936A/40A
I11	2.00	69311A	See 6936A/40A
I12	2.00	69312A	See 6936A/40A
I13	2.00	69313A	See 6936A/40A
I20	2.00	69320A	40
I21	2.00	69321A	See 6936A/40A
I28	1.00	69351A	40
I29	2.50	12555B	-
I30	16.00	6130B-J20, 12661B	40
I31	13.00	6130B-J20	40
I32	16.00	6131B-J20, 12661B	40
I33	13.00	6131B-J20	40
I34	16.00	6933B-J20, 12661B	40
I35	13.00	6933B-J20	40
I36	16.00	6129B-J20, 12661B	40
I37	13.00	6129B-J20	40
I50	6.00	6256B, 6256B/040, 69301A, 69301A	40
I51	6.00	6267B, 6267B/040, 69301A, 69312A	40
I52	6.00	6274B, 6274B/040, 69302A, 69312A	40
I60	57.00	Fluke 3330B, 11629A, 12597A	44
J00	3.00	12604B	-
J01 thru J06	NC	12604B/001/002/003/005/006	-
J10 thru J12	1.00	69431A/069/070/073	41
J15	1.00	69432A	See 6936A/40A
K01	3.00	12556B/001	-
K02	3.00	12556B/002	-
K04	1.00	69331A	41

CROSS-REFERENCE

(by System Option Number)

TABLE 5-E

9500/9600 OPTION	B.M.M.C.	DESCRIPTION	PAGE
K05	3.00	69330A	40,41
K06 or K07	2.00	12551B	-
K08 or K09	3.00	12661A	-
K10	2.00	69433A	See 6940A
L00	10.50	432C, 12566B, 478A, 60242B	38
L10	44.00	1150A, 10487A, 1331A-C04, 1120A (2)	33
M00	18.00	3320B-H07, 3320B/005, 3320B/006, 11232A or 12566B	37
M01	15.00	3320B-H07, 3320B/005, 3320B/006	37
M02	NC	3320B/002	37
M20	37.00	8660A, 86601A, 86632A, 11671A or 12566B	42
M21	NC	8660A/001	42
M22(9500)	26.00	86602A, 11661A	42
M22(9600)	13.00	86602A	42
M30	25.00	6936S, 12566B, 1900A	33
M31	15.00	1900A/001	33
M32	3.00	1905A/005	33
M33	3.00	1908A/005	33
M34	10.00	1917A/005	33
M35	17.50	1915A/005	33
M36	3.00	6937S	33
M50	23.00	11629A or 12556B, 745A-H18	41
M51	15.00	746A-H17	41
M75	41.00	5105A, 5110B, 2759B, 12556B	39
M76	44.00	Wavetek 157-S-134, 11629A	45
N00	8.00	9400B, 12566B	42
N01	5.00	9400B	42
N03	1.00	60126B	42
N05 or N06	20.00	9400B, 2911A, 2911A/023, 25000H, 12566B	42
N07	17.00	2911A, 60246B, 25000H	42
N10 thru N13	6.00	25000C,D,H,J	42
N95	30.00	9400A W/2 SW Modules, 12551B	42
N96	12.00	3rd Module for 9400A	42
N97	12.00	4th Module for 9400A	42
P00	56.00	2100A Computer W/O Memory	33
P03,P07, P09,P11	7.00	12884A, 4K Memory	33
P04,P08, P10,P12, or P13	14.00	12885A 8K Memory	33

CROSS-REFERENCE
(by System Option Number)

TABLE 5-E

9500/9600 OPTION	B.M.M.C	DESCRIPTION	PAGE
P06	28.00	12885A (2), 16K Memory	See P04
P16	17.00	12895A DMA Capability	33
P19	3.00	12539B Time Base Generator	43,44
P20	14.00	12901A Floating Point	-
P21	9.00	12908A Writeable Control Store	-
P22	7.00	PROM Writer	-
P23	NC	12620A Privileged Interrupt	-
Q00	19.00	2748A, 12597A	36
Q01	33.00	2758A, 12597A	36
Q03	30.00	2753A, 12597A	36
Q05	35.50	2895A, 12597A	36
Q07	36.50	8100A, 15166A	42
Q20	47.50	2892A, 12924A	36
Q28	28.00	2761A, 2761A/007, 12602B	36
Q40	91.50	7970B (7-Track), 13182A	41
Q41	51.50	7970B	-
Q42	61.50	7970B (9-Track), 13181A	41
Q43	51.50	7970B	-
Q44	97.50	7970E, 13183A	42
Q45	80.00	7970E	-
Q60 thru Q62	NC	7970E Speed Options	42
Q63	17.00	7970B/E 45 ips + DMA	42
Q70	98.00	7900A, 13215A, 13210A, 12895A	41
Q71	68.50	7900A, 13215A	41
Q73	NC	12869A	-
Q75	42.50	7901A, 13210A	41
Q76	30.00	7901A	41
Q80	119.50	2766A, 2772A, 12610C, 12895A	36
Q81	16.00	2766A-001	See 2766A
Q82	16.00	12865A	See 2766A
R00	64.00	2752A, 12531A	36
R02	48.00	2754B, 12531C	36
R04	53.00	2600A, 12880A	36
R06	40.50	2605A, 12531D-001	36
R07	40.50	2605A-001, 12531D-001	36
R50	70.00	2767A, 12653A	36

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TABLE 5-E

9500/9600 OPTION	B.M.M.C.	DESCRIPTION	PAGE
R52	51.00	2610A, 12845A	36
R53	NC	2610A-001	-
R80	3.00	12560A	-
R81	12.50	2331A	34
R82	10.00	1331C-016, 12555A	33
R85	19.50	7210A-001, 12566B	41
S00	3.00	12554A	-
S01	3.00	12554A	-
S02	2.00	12597A	-
S03	2.00	12597A	-
S04	3.00	12566B	-
S05	3.00	12566B	-
S06	3.00	12566B	-
S07	6.50	12894A	-
T00	26.00	2155A	34
T02	17.00	12896A	-
T14	20.00	2160B	34
T15	10.00	6936A, 12566B	40
T16	4.00	6937A	40
T17	10.00	12566B, 6940A	41
T18	4.00	6941A	41
U01	6.50	12587B	-
U02	3.50	12589A	-
U03	4.50	12618A	-
U04	4.50	12621A	-
U05	4.50	12622A	-
U06	4.00	12531C	-
U07	13.00	12770A	-
U08	13.00	12771A	-
U15	13.00	12772A	-
U16	13.00	12773A	-
V01	NC	12575B	-

NOTES



MODEL NUMBER	D.M.M.C.	LISTED UNDER	PAGE
09540-60001	29.50	9540A	
1802A	5.00	181A	
1803A	4.00	181A	
181A	8.00	181A	
1822A	3.50	181A	
2311A	10.50	5610A	40
25000E	5.00		
25000G	5.00		
5327B-001/011	+ 2.00	5327A/B	39
60244B	1.00		
6177B	2.00		
6253A-007/011	3.50		
6255A-011	3.00		
6266B	4.50		
6271A	2.50		
6384A	1.00		
6434B	2.50		
6947A	4.50		
69501A	1.00		
69502A	1.00		
69503A	1.00		
8601A	8.00		
9300L	8.00		
9300M	15.00		
9304A	20.00		
9402A	14.00		
9540B	374.00		
9540D	472.00		
CEA 6D120Y - 252F2	3.00		
GERTSCH 2684	10.00	PRT-D-2684 RATIO TRANSFORMER	
WILTRON 656	17.00	PROGRAMMABLE RF ATTENUATOR	
AMC-42	.50		
AMC-43	.75		
AMC-82	.75		
AMC-102	.75		
AMC-162	1.00		
1804A	4.50	181A	



MODEL NUMBER	CONFIGURATION OPTIONS	9500/9600 OPTION	DESCRIPTION	B.M.M.C.
9540B	Minimum Transceiver Test System		HP 9540B Test Station 9400B Modular Switch 5.00 25000D (2) 12.00 25000H (4) 24.00 432C Power Meter 5.50 478A Thermistor Mount 1.00 60242B Slot Power Supply 1.00 12566B Microcircuit I/O (2) 6.00 3480B/3484A/001/042 18.00 11146A I/F Card 3.00 5327B/C10 Counter 13.00 12604B DSI Card 3.00 12556B 3.00 3320B/H07 15.00 11232A I/F Kit 3.00 2752A Teleprinter 60.00 12531A I/O Card 4.00 2748A Punched Tape Reader 17.00 12597A Dplx. Reg. Card 2.00 8660A/001/009 Sig. Gen. 20.00 86632A Plug-In 4.00 86602A Plug-In 13.00 09540-600001 RF Test Head 29.50 9403A Control Panel 10.00 12661A DVS Program Card 13.00 2100A Computer 56.00 12885A 8K Memory 14.00 12885A/002 Addl. 8K Memory 14.00 60246B Slot Power Supply 1.00 6267B/040 DC Power Supply (2) 4.00	374.00
	Option 001		230V/50HZ Options	N/C
	Option 002		25000D Addl. Gen. Purpose Relay Card 6.00 25000H Addl. LF Reed Relay Cards (2) 12.00 09540-60004 LF Test Head N/A 6267B/040 DC Power Supplies (2) 4.00	
	Option 003		230V/50HZ	N/C

MODEL NUMBER	CONFIGURATION OPTIONS	0500/0800 OPTION	DESCRIPTION	B.M.M.C.	
9540D			Disc Based Tranceiver Test System	472.00	
			9540B Basic System	374.00	
			7900A Disc Drive	61.50	
			13215A Power Supply	7.00	
			13210A Disc Controller	12.50	
			12895A DMA	17.00	
		Option 012		Addl. 25000D Relay Card	6.00
				Addl. 25000H Relay Card (2)	12.00
				Addl. 6267B/040 Power Supply (2)	4.00
		Option 014		Addl. 25000D Relay Card (2)	12.00
			Addl. 25000H Relay Cards (4)	24.00	
			Addl. 6267B/040 (4)	8.00	
	Option 015		230V/50 HZ Options	N/C	

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