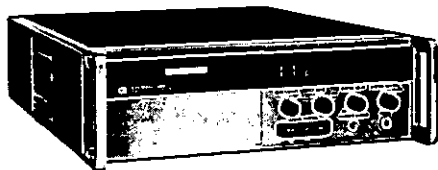




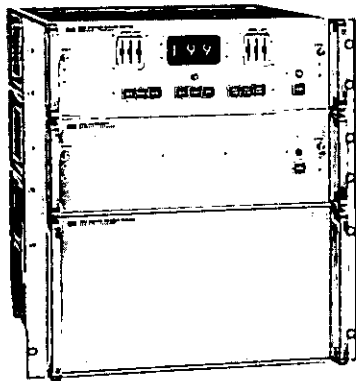
Input scanners

2912A Reed Scanner, a high-speed, multi-function scanner. Transfers guarded 3-wire inputs at speeds to 40 channels per second. Interchangeable modules plug into the main frame:

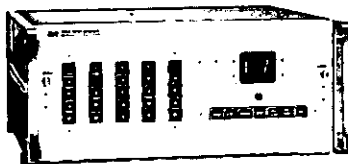
- 10 channels of low level dc with the 2921A
- 10 channels of high level dc and ac with the 2922A
- 9 channels of frequency with the 2923A



2912A



2911A, B, C,



2901A

Up to four modules can be installed; further input expansion is through 2920A Scanner Extenders which hold up to 10 modules each. As many as 10 extenders can be controlled by a 2912A, for 1000 channel scanning capacity.

Integrity of millivolt level signals, such as those from strain gage bridges or thermocouples, is preserved through the scanner.

System programming capability is a built-in feature of the 2912A. Diode pinboards, conveniently located behind the front panel, provide easy control of all DVM functions. Additionally, channels may be individually selected for measurement or skip-over by front panel switch selection. Groups of 10 channels may be handled in the same manner. Upper/lower scan limits select the first and last channel address, and operating modes include single and continuous scan, manual scan and signal channel monitor.

Optional interface for H-P digital computer is available to provide the greatest amount of scanner flexibility. Panel height of 2912A or 2920A 5 $\frac{1}{4}$ " (113 mm). Prices: 2912A Scanner, \$3500; 2921A Low-Level DC Module, \$600; 2922A DC-AC Module, \$600; 2923A Frequency Module, \$600; 2920A Extender, \$1500.

2911 Guarded Crossbar Scanner offers user choice of 600 1-wire, 300 2-wire, 200 3-wire, or 100 6-wire inputs. Permits guarded 2-wire voltage or 4-wire resistance measurements. Lower and upper scan limits selectable at front panel, with random access to any channel. Channel being monitored is indicated by in-line visual display and 4-2 $\frac{1}{2}$ -1 BCD (optionally 8-4-2-1) output. Roller-mounted switch withdraws from rear for easy cabling. Maximum scanning rate is 30 channels/second. Interface for HP computers available. Panel height 14" (355 mm). Price 2911, \$5100.

2901A Input Scanner/Programmer as used in the 2010 series, scans 25 3-wire inputs and programs all functions of associated system. May be expanded to 100 channels with 2902 Slave Units. Easy system set-up with individual quick-release input connectors and pushbutton selection of channels to be scanned. System functions and measurement delay are programmed individually for each channel with built-in pinboard. Maximum scanning rate is 12 channels/second. Panel height 7" (177 m). Prices: 2901A Master, \$2375; 2902 Slaves (25 channels each), \$1975.

Signal converters

2410B AC/Ohms Converter (page 246) is used in conjunction with 2401C Digital Voltmeter for measurement of ac voltages and resistances. Converter features floated, guarded input compatible with the voltmeter. Combined common mode rejection is 110 dB at 60 Hz. 2410B is fully programmable for systems use. Converter function and range information included in voltmeter display and recording outputs. Panel height 7" (177 mm). Price: HP 2410B, \$2350.

2411A Guarded Data Amplifier (page 246). This floated and guarded amplifier provides the 2401C Integrating Digital Voltmeter with a full-scale input of ± 10 mV, overranging to ± 30 mV. Ideal for measurements of thermocouples, strain gage bridges and other low-level signal sources. Input