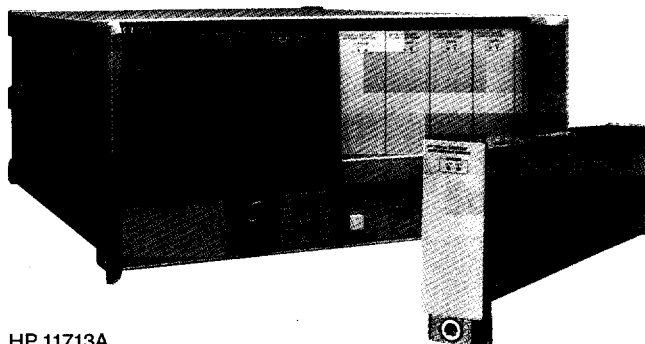


MICROWAVE TEST ACCESSORIES

Custom Switch Interfaces

HP 11713A, 70611, 87130A, 84940A, 84941A

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HP 11713A

HP 11713A Attenuator/Switch Driver

The HP 11713A attenuator/switch driver provides simple HP-IB control of up to ten bistatic, 24 Vdc solenoid-activated switches or attenuator sections. It can drive two of the HP 8494/5/6/7, HP 84904/6/7, or HP 33320 series programmable attenuators, and up to two electromechanical switches, concurrently. The HP 11713A supplies 24 Vdc common and ten pairs of current sinking contacts to achieve control of up to ten relays.

HP 70611A Attenuator/Switch Driver for MMS

The HP 70611A is a one-slot MMS module capable of driving up to 248 electromechanical switches or attenuator switch sections. The HP 70611A is MSIB, SCPI, and HP-IB compatible. In addition to being programmable, the HP 70611A features an extremely user friendly manual interface via any MMS display unit. The highlight of the manual interface is the operator's ability to customize groups of switch control lines and their settings, then identify these switch settings with user-defined alphanumeric labels. In this manner, end users of the HP 70611A can define custom menus with their own identification labels for simplified manual control. The HP 70611A can store up to 256 user-defined labeled paths. Path definitions can be stored in non-volatile EEROM. Groups of paths can be stored in directories for easy access to similar path commands. The HP 70612A/C and 70613A/C offer compatible capacity with built-in RF switches. (Configurations vary and custom configurations are available.) See page 95 for more information.

HP 87130A Attenuator/Switch Driver

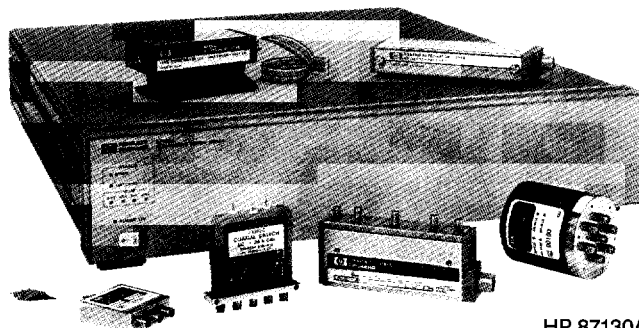
The HP 87130A is a 3½-inch, full-width System II attenuator/switch driver capable of driving up to 248 bistatic electromechanical switches or attenuator sections. The HP 87130A is controlled over HP-IB via Standard Commands for Programmable Instruments (SCPI) commands. The HP 87130A has been designed for use in both ATE switching systems and computer-controlled bench top applications.

Expandable Versatility

The HP 87130A is electronically identical to the HP 70611A and shares its performance characteristics, with the exception of the manual control method. The HP 87130A has no front panel controls. Manual control of the HP 87130A is realized through its ITG driver and a computer controller. The HP 87130A can drive 31 switches or attenuator sections directly, and up to an additional 217 switches via seven additional HP 84940A driver cards.

VXI Drivers for Microwave Components

Hewlett-Packard can provide switch/attenuator drivers in VXI with compatible ITG drivers. Contact your local HP sales representative for additional information.



HP 87130A

HP 84940A Switch Driver and HP 84941A Distribution Card

The HP 84940A is an expansion driver card for the HP 70611/2/3 family of MMS attenuator/switch drivers and the HP 87130A attenuator/switch driver. The HP 84940A has been designed for incorporation into large interfaces located remotely from their controller. A single HP 84940A can control up to 31 switches when located up to 150 ft (45 m) from an HP 70611/2/3 or HP 87130A. The physical interconnection to the switches or attenuators is realized via 31 four-pin output connectors, which permit quick connection and disconnection of the switches or attenuators.

Key Literature

Microwave Test Accessories Catalog, p/n 5091-4269E.

Ordering Information

	Price
HP 11713A Attenuator/Switch Driver	\$1,920
HP 11717A Attenuator/Switch Driver Rack Mount Support Shelf	\$100
HP 11761A; HP 8765 to HP 11713A Adapter Cable	\$90
HP 11764A; HP 84904/6/7 to HP 11713A Adapter Cable	\$56
HP 11764B; HP 84904/6/7 5-ft Ribbon Cable with 10-pin DIP Connector	\$15
HP 34530T Microwave Switch Terminal Block for HP 3235A (Holds up to four HP 8762/3/4 Switches)	\$470
HP 44476B Microwave Switch Module for HP 3488A (Holds up to two HP 8762/3/4 Opt 011 Switches)	\$590
HP 84940A Attenuator/Switch Driver Expansion Card	\$1,075
HP 84941A Distribution Expansion Card	\$640