

HP E1328A



4-Channel D/A Converter (E1328A)

The HP E1328A 4-channel D/A converter is a B-size VXI module that provides four independent, isolated channels of voltage or current output. Each channel is individually selectable for maximum flexibility. Software calibration is provided, eliminating the need for mechanical adjustments.

Specifications

Voltage output range: ± 10.92 V

Voltage accuracy: 24-hour: $\pm(0.05\% + 3.3$ mV)
90-day: $\pm(0.15\% + 29$ mV)

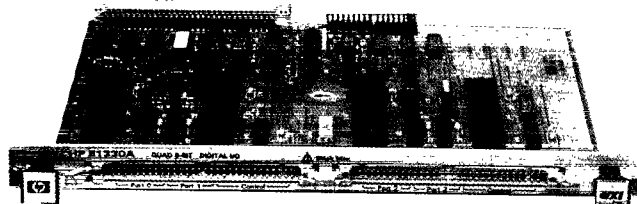
Current output range: ± 21.8 mA

Current accuracy: 24-hour: $\pm(0.05\% + 7$ μ A)
90-day: $\pm(0.15\% + 59$ μ A)

Settling time: 750 μ s

Isolation: 120 VRMS, 170 V dc/ac peak

Programmable resolution: 333 μ V/667 nA



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Quad 8-Bit Digital Input/Output (E1330A)

The HP E1330A digital I/O is a B-size VXI module that provides digital interfacing to special-purpose circuitry or external devices. Each block has dedicated control and handshake lines. The E1330A supports standard GPIO protocols and different data formats such as decimal, hexadecimal, octal, and binary.

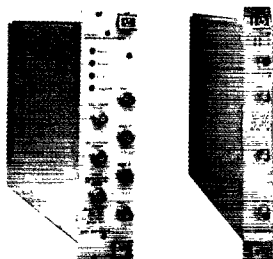
Specifications

Data lines: 4 sets of 8 bidirectional lines, TTL compatible, jumper selectable pull-ups

Handshake lines: 4 sets of 3 lines each; Input/Output Status, Control, and Flag

Handshake modes: None, Leading Edge, Trailing Edge, Partial, Pulse, and Strobe

*When used with HP 75000 Series B or HP E1405A command module.



HP E1426A

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500-MHz Digitizing Oscilloscope (HP E1426A)

The HP E1426A 500-MHz digitizing oscilloscope is a full-function digitizing oscilloscope similar in design to the HP 54503A oscilloscope. High precision and advanced triggering allows repeatable and accurate measurements on simple or complex waveforms.

- HP 54503A equivalent (see page 136)
- 500-MHz bandwidth
- 4 channels
- 8-bit vertical resolution
- 20-Msa/s digitizing rate
- Message-based module (send high-level, ASCII SCPI commands)
- 2-slot, C-size

Specifications

Bandwidth: dc to 500 MHz (-3 dB, dc-coupled)

Max sample rate: 20 Msa/s

Number of inputs: 4 (Simultaneous acquisition on two inputs are used; data is alternately acquired by inputs.)

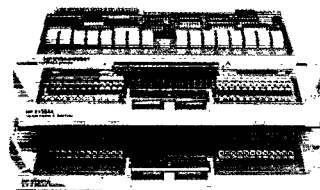
Vertical sensitivity range: 1 mV/div to 5 V/div

Time base range: 200 ps/div to 5 s/div

1 GSa/s Digitizing Oscilloscope (E1428A)

The HP E1428A 1 GSa/s digitizing oscilloscope is a full-function instrument similar in design to the HP 54510A oscilloscope. Two full-performance channels provide waveform capture confidence.

- 8-bit vertical resolution
- Message-based module
- HP 54510A equivalent
- One-slot C-size
- SCPI compatible



HP E1361A and HP E1364A

4 × 4 Matrix Switch (HP E1361A)

The HP E1361A 4 × 4 matrix switch is a B-size VXI module that provides the 4 × 4 matrix switching capability to connect several instruments at once to several points on a device under test. Each cross point switches two wires with low differential offsets. Larger matrixes, such as 4 × 8 or 4 × 12, can be formed by linking 4 × 4 modules.

Specifications

Maximum input voltage: 250 Vdc or ac rms

Maximum input current: 1 A dc or ac rms

Maximum input power: 40 W or 40 VA

Thermal offset: < 7 μ V per contact

Bandwidth: -3 dB @ 10 MHz

Crosstalk (Ch to Ch): < -80 dB @ ≤ 100 kHz
 < -30 dB @ ≤ 10 MHz

16-Channel Form-C Switch (HP E1364A)

The HP E1364A 16-channel form-C switch is a B-size VXI module that consists of 16 independent form-C relays, allowing a wide variety of devices and signals to be switched. Each channel has Common, Normally Open, and Normally Closed terminals for easy configuration. Power up and -down states can be chosen because the relays are latching.

Specifications

Maximum input voltage: 250 Vdc or ac rms

Maximum input current: 1 A dc or ac rms

Maximum input power: 40 W or 40 VA

Thermal offset: < 7 μ V per contact

Bandwidth: -3 dB @ 10 MHz

Crosstalk (Ch to Ch): < -80 dB @ ≤ 100 kHz
 < -30 dB @ ≤ 10 MHz