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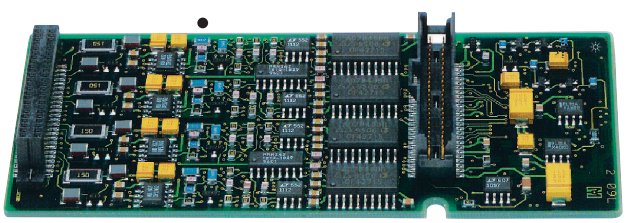
Find the *Keysight / Agilent E1532A* at our website: ***Click HERE***

Agilent E1532A

8-Channel Current Output SCP

Data Sheet

- 8-channel non-isolated current source
- Over-voltage protection
- Source ± 10 mA with up to 15 V compliance



Agilent E1532A

Description

The Agilent E1532A 8-Channel Current Output SCP provides eight channels of non-isolated current source outputs. Each output can source ± 10 mA with up to 15 V compliance.

Each channel has over-voltage protection to protect the SCP and A/D from damaging voltage levels (>21 V) applied to its outputs. You can connect two channels in parallel to use with 4-20 mA control loops. Power limitations will allow only seven (7) E1532A SCPs to be installed in an E1415A or E1419A.

Use the E1532A with the following VXI modules:

Model	Description
E1415A	Algorithmic Closed Loop Controller
E1419A	Multifunction Measurement and Control Module

Refer to the Agilent Technologies Website for recent product updates, if applicable.

Product Specifications

Maximum Input Voltage

(non-operating externally applied voltage without damage applied to any output Hi terminal)

Damage level: >± 42 V peak

Noise

20 Hz to 250 kHz, into 250 Ω: <2 µA rms

Current Output

Range: ± 10 mA (Full Scale at >± 15 V compliance)
Resolution: 16 bits = 316 nA (monotonic to 16 bits)
Accuracy: * (± 0.06% of expected output) ± (3.3 µA offset error)
Temperature coefficient:
Accuracy: ± 0.004%/°C
Offset error: 0.3 µA/°C
Settling time: 350 µs with 250 Ω load
Output impedance: >± 600 kΩ

** 23 °C ± 1 °C (90 days)*

Power Required

±5 V:
Typical: 11 mA
Maximum: 15 mA
±24 V:
0 mA output typical: 60 mA
0 mA output maximum: 75 mA
10 mA output typical: 135 mA
10 mA output maximum: 150 mA

Current Requirements (Amps)

5 V max	24 V max	-24 V max
0.011	0.065	0.065

Ordering Information

Description	Product No.
8-Channel Current Output SCP	E1532A

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Related Literature

2000 Test System and VXI Catalog CD-ROM,
Agilent Pub. No. 5980-0308E (detailed specifications for VXI products)

2000 Test System and VXI Catalog,
Agilent Pub. No. 5980-0307E (overview of VXI products)

1998 Test System and VXI Products Data Book,
Agilent Pub. No. 5966-2812E

Online

Internet access for Agilent product information, services and support
www.agilent.com/find/tmdir

VXI product information
www.agilent.com/find/vxi

Defense Electronics Applications
www.agilent.com/find/defense_ATE

Agilent Technologies VXI Channel Partners
www.agilent.com/find/vxichanpart

Agilent Technologies' HP VEE Application Website
www.agilent.com/find/vee

Agilent Technologies Data Acquisition and Control Website
www.agilent.com/find/data_acq

Agilent Technologies Instrument Driver Downloads
www.agilent.com/find/inst_drivers

Agilent Technologies Electronics Manufacturing Test Solutions
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Get assistance with all your test and measurement needs at
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