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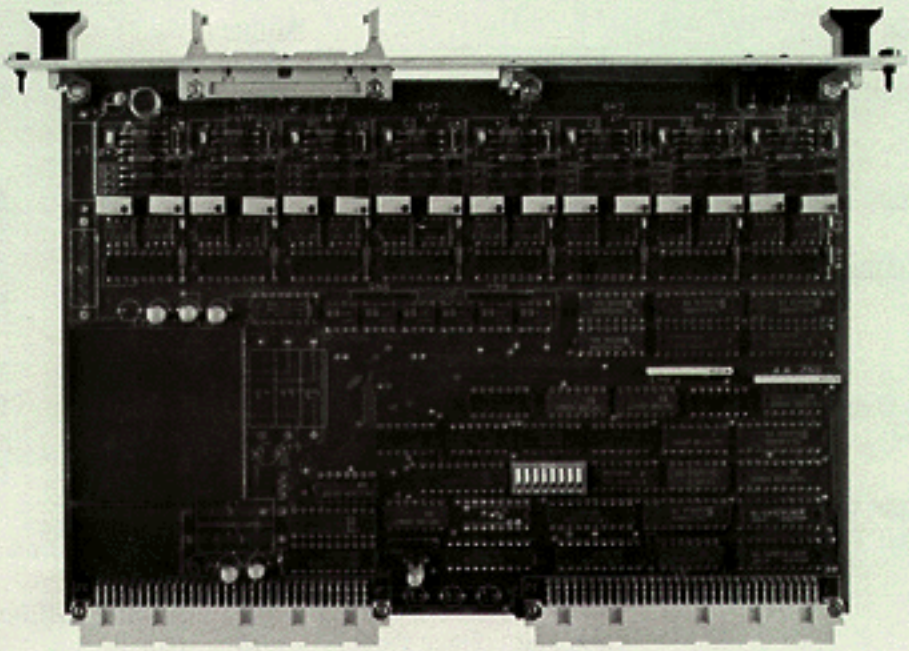
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Find the *Acromag / Xembedded / Xycom XVME-530* at our website: ***Click HERE***

XVME-530 Analog Output Module



Features

- 8 independent D/A output channels
- 300 volts of optical isolation
- On-board DC/DC converter
- Voltage or current output ranges
- Gain and offset adjustable on each channel
- Overall error: ±0.5 LSB

Applications

- Strip chart recorders
- Proportional valves
- Variable speed motor controllers
- Temperature controllers
- Set point controllers
- Meters

Overview

The XVME-530 is an 8-channel isolated analog output module. The resolution of each D/A converter is 12 bits.

The eight output channels on the XVME-530 can be independently jumper configured for either unipolar voltage, bipolar voltage, or current mode of operation. The voltage output ranges include: 0-5 V, 0-10 V, ±2.5 V, ±5 V, ±10 V, while the current range is 4-20 mA.

Each analog output channel on the XVME-530 is optically isolated (300 volts) from the digital logic. The gain and offset errors are both adjustable to zero, and the maximum overall error is 0.5 LSB. Also, the XVME-530 module conforms to the Xycom standard I/O architecture.

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Hardware Specifications

Analog Outputs Available	8
Optical Isolation	300 V
Monotonicity	Guaranteed
Accuracy	
Resolution	12 bits
Overall Error	±0.5 LSB ±0.0122%
Conversion Time	42 usec
Settling Time	(to 0.01% resistive load only) 30 usec, max. (current mode) 8 usec, max. (voltage mode)
Voltage Output Characteristics	
Ranges	0 to 5 V, 0 to 10 V, ±2.5 V, ±5 V, ±10 V
Output Current	5 mA min. @ +10 V
Offset T.C.	30 ppm/°C (bipolar voltage mode) 15 ppm/°C (unipolar voltage mode)
Gain T.C.	50 ppm/°C
Current Loop Characteristics	
Range	4-20 mA
Offset T.C.	30 ppm/°C
Gain T.C.	50 ppm/°C
Load Resistance Range	50 to 525 ohms
Load Regulation	0.808 ppm/ohm
Digital Input Coding	BIN, OBN
Reset	All DACs are reset to 0000H at power-up or system reset
Power Requirements	5 V ±5%, typ. 2.6 A (with outputs at full scale in 4-20 mA mode)

Environmental Specifications

Temperature	
Operating	0° to 65°C (32° to 149°F)
Non-operating	-40° to 85°C (-40° to 185°F)
Humidity	5 to 95% RH, non-condensing
Altitude	
Operating	Sea level to 10,000 ft. (3048 m)
Non-operating	Sea level to 50,000 ft. (15240 m)
Vibration	
Operating	.015" peak to peak 2.5 g peak accelration
Non-operating	.030" peak to peak 5.0g peak acceleration
Shock	
Operating	30 g peak acceleration, 11 msec duration
Non-operating	50 g peak acceleration, 11 msec duration

VMEbus Compliance

- Complies with VMEbus Specification, IEEE 1014
- A24/A16:D16/D08(EO) DTB Slave
- Utility signals- SYSFAIL
- Form Factor: DOUBLE (233.35 mm x 160 mm) (9.2" x 6.3")
- Conforms to Xycom Standard I/O Architecture

Warranty Information

The XVME-530 carries a two-year warranty.

Ordering Information

XVME-530: 8 Channel Isolated Analog Output Module

XYCOM INC
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