PMT-DAC12-4 (Isolated Analog Output Card)



Features

- 4 x 12-bit D/A output channels
- Multiple output ranges
- 2,500 V_{DC} isolation between the outputs and the PCI bus
- · Keeps the output settings and values after system reset
- One DB37 connector for easy wiring
- Universal PCI and BoardID™ switch





Introduction

The PCI-1720U provides four 12-bit isolated digital-to-analog outputs for the Universal PCI bus. With isolation protection of 2500 V_{DC} between the outputs and the PCI bus, the PCI-1720U is ideal for industrial applications where high-voltage protection is required.

Specifications

Analog Output

Channels 4 isolated Resolution 12 bits Output Rate Static update

 Output Range (Software programmable)

Internal Reference	Unipolar (V)	0 ~ 5, 0 ~ 10	
	Bipolar (V)	±5, ±10	
	Current Loop (mA)	0~ 20, 4 ~ 20	

 Slew Rate 2 V/μs 2,500 V_{DC} Isolation Protection Driving Capability 5 mA Operation Modes Software polling Accuracy ±0.024%

General

Excitation Voltage

Bus Type Universal PCI 2.2 I/O Connectors 1 x DB37 female connector Dimensions (L x H) 175 x 100 mm (6.9" x 3.9")

 Power Consumption +5 V @ 350 mA (typical), 500 mA (max.) +12 V @ 200 mA (typical), 350 mA (max.) • Operating Temperature $0 \sim 60^{\circ}$ C (32 $\sim 140^{\circ}$ F) (refer to IEC 68-2-1, 2)

50 V (max.)

 Storage Temperature -20 ~ +70° C (-4 ~ 158° F)

Storage Humidity 5 ~ 95% RH, non-condensing (refer to IEC 68-2-3)

Certifications

Ordering Information

 PCI-1720U 12-bit, 4-ch Isolated AO Universal PCI Card

PCL-10137-1 DB37 Cable, 1 m PCL-10137-2 DB37 Cable, 2 m PCL-10137-3 DB37 Cable, 3 m ADAM-3937 DB37 DIN-rail Wiring Board

PCLD-880 Wiring Board w/ Two 20-pin Flat Cables & Adapter

Pin Assignments

	$\overline{}$		
NC	1		
+12 Vout	2	20	NC
AGND	3	21	NC
AGND	4	22	NC
Vout 0	5	23	NC
AGND	6	24	NC
	_	25	NC
Isin k 0	7	26	NC
Vout 1	8	27	NC
AGND	9	28	NC
lsin k 1	10	29	NC
Vout 2	11	30	NC
AGND	12	31	NC
lsin k 2	13		NC
Vout 3	14	32	
AGND	15	33	NC
lsin k 3	16	34	NC
NC	17	35	NC
NC	18	36	NC
NC	19	37	NC
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