

SLC 500™

1746sc-INO4i/INO4vi

4-Channel Isolated Analog Output Module



The 1746sc-INO4i and 1746sc-INO4vi Modules provide isolated analog output capability for noisy environments in individual I/O modules. The 1746sc-INO4i and 1746sc-INO4vi modules can replace analog output modules without compromising performance or price.

- Four isolated current outputs (INO4i), and four isolated current/voltage outputs (INO4vi).
- Provides seven output ranges (INO4vi).
- Use any combination of output types at one time (INO4vi).
- Accuracy comparable with dedicated analog modules.
- Individually programmable for each channel.
- Easy to configure using ladder register settings or RSLogix programming software.
- On-board ambient temperature compensation to manage fluctuating ambient temperatures in overcrowded cabinets.

1746sc- INO4i/INO4vi

Specifications



Output Types	4 V or V/C outputs						
Output Ranges Current Voltage	0-20 mA, 0-21 mA, 4-20 mA 0-5 V, 1-5 V, 0-10 V, ±10 V						
Resolution Current Voltage	16 bits 366 nA per count 320 uA per count						
Advanced Features	Extended output ranges, auto-calibration, programmable limits, and safe states						
Step Response Time (typical)	1 ms to 95% of full scale						
Electrical Isolation	Field wiring to backplane: 500 VAC continuous Channel-to-channel isolation: 500 VAC continuous						
Output Impedance Current Voltage (INO4vi only)	Greater than 1 Mohm Less than 1 ohm						
Maximum Resistance (current mode)	500 Mohm						
Maximum Current (voltage mode, [INO4vi only])	10 mA						
Accuracy Current Voltage	<table border="1"> <thead> <tr> <th>25 °C</th> <th>60 °C</th> </tr> </thead> <tbody> <tr> <td>0.08% of full scale</td> <td>0.10% of full scale</td> </tr> <tr> <td>0.08% of full scale</td> <td>0.35% of full scale</td> </tr> </tbody> </table>	25 °C	60 °C	0.08% of full scale	0.10% of full scale	0.08% of full scale	0.35% of full scale
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Non-linearity	0.02% of full scale						
Backplane Current Required	120 mA at 5 V 250 mA at 24 V						
Environmental Conditions Operational Temperature Storage Temperature Relative Humidity	0 °C to 60 °C (32 °F to 140 °F) -40 °C to 85 °C (-40 °F to 185 °F) 5 to 95% (non-condensing)						
Thermal Dissipation	5 Watts, maximum						
Certifications	UL/cUL Listed ANSI ISA 12.12.01 (Class I, Div 2, Groups ABCD), CE EMC, UKCA, FCC, CMIM						
Recommended Cable	Shielded twisted-pair; Belden 8761 or equivalent						
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