



KV-AM40V

A/D D/A Conversion Unit, 2 Analog Input Channels + 2 Analog Output Channels



*Please note that accessories depicted in the image are for illustrative purposes only and may not be included with the product.

Specifications

Model		KV-AM40V
Type		A/D and D/A conversion unit
Analog input points/output points		Input: 2 points (differential input), Output: 2 points
Analog input range/output range (resolution)	Voltage	-10 to +10 V (1.25 mV 1/16000), -5 to +5 V*1 (0.625 mV 1/16000), 0 to 10 V (1.25 mV 1/8000), 0 to 5 V (0.625 mV 1/8000), 1 to 5 V (0.625 mV 1/6400)
	Current	0 to 20 mA (2.5 μ A 1/8000), 4 to 20 mA (2.5 μ A 1/6400)
Input resistance		Voltage: 5 M Ω , Current: 250 Ω
Conversion speed		80 μ s/ch*2*3
Conversion precision		\pm 0.2% of F.S. (at 25°C \pm 5°C 77°F \pm 9°F), \pm 0.4% of F.S. (at 0 to 50°C 32 to 122°F)*4
Insulation mode		Between unit and CPU: Photocoupler insulation Between channels: Non-isolated
Absolute maximum input		Voltage: \pm 15 V, Current: 30 mA
Minimum load resistance		Voltage: 1 k Ω
Maximum load resistance		Current: 600 Ω
Internal current consumption		140 mA or less
Weight		Approx. 150 g

*1 Analog output is not available for the range of -5 to +5 V.
*2 When temperature drift correction is used, temperature drift correction time is added regardless of the number of channels used.
*3 A/D conversion and D/A conversion are processed independently.
*4 \pm 0.2% of F.S. (at 0 to 50°C 32 to 122°F) when temperature drift correction for A/D conversion is used.

Dimensions

* Download CAD file or product manual for larger image/text and more detail.

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