



# KV-NC4AD

A/D Conversion unit,4-point type



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

## Specifications

Model			KV-NC4AD
Conversion speed			80 $\mu$ s/channel*1
Conversion			A/D conversion
Points			4 (single end)
Range/resolution	Voltage	-10 V to +10 V	1/8000 2.5 mV
		0 to 10 V	1/4000 2.5 mV
		0 to 5 V	1/4000 1.25 mV
		1 to 5 V	1/3200 1.25 mV
	Current	0 to 20 mA	1/4000 5 $\mu$ A
		4 to 20 mA	1/3200 5 $\mu$ A
Conversion precision	Voltage	Without temperature compensation	$\pm$ 0.3% of F.S. (at 25°C $\pm$ 5°C 77°F $\pm$ 9°F) $\pm$ 0.5% of F.S. (at 0 to 55°C 32 to 131°F)
		With temperature compensation	$\pm$ 0.3% of F.S. (at 0 to 55°C 32 to 131°F)
	Current	Without temperature compensation	$\pm$ 0.4% of F.S. (at 25°C $\pm$ 5°C 77°F $\pm$ 9°F) $\pm$ 0.6% of F.S. (at 0 to 55°C 32 to 131°F)
		With temperature compensation	$\pm$ 0.4% of F.S. (at 0 to 55°C 32 to 131°F)
Input resistance	Voltage	5 M $\Omega$	
	Current	250 $\Omega$	
Absolute maximum input	Voltage	$\pm$ 15 V	
	Current	$\pm$ 30 mA	
Isolation method	Between analog input		Isolated (photocoupler, transformer)
	Between analogu input channels		No isolation
Minimum load resistance	Voltage	-	
Maximum load resistance	Current		
Special functions			Input range switching, temperature fluctuation compensation enabling/disabling, channel skip, scaling, special data offset, peak-/bottom-hold, zero clip, zero shift, comparator, averaging (time-specified, count-specified, moving average), disconnection detection,

\*1 When the temperature fluctuation compensation is used, the temperature fluctuation compensation time of 80  $\mu$ s will be added regardless of the number of channels being used.

# Dimensions

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

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