



KV-TP40

Temperature Analog Multi-input Unit (Multi-input 4-channel)



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

Specifications

Model		KV-TP40
Type		Temperature/Analog multi-input unit
Number of temperature input points		4 ch
Input		Thermocoupler/Platinum temperature measuring resistor/Voltage and current
Input range	Thermocoupler	K: -270.0 to 1372.0°C -454 to 2502°F J: -210.0 to 1200.0°C -346 to 2192°F T: -270.0 to 400.0°C -454 to 752°F E: -270.0 to 1000.0°C -454 to 1832°F N: -270.0 to 1300.0°C -454 to 2372°F R: -50.0 to 1768.0°C -58 to 3214°F S: -50.0 to 1768.0°C -58 to 3214°F B: 0.0 to 1820.0°C 32 to 3308°F WRe5-26: 0.0 to 2315.0°C 32 to 4199°F
	Platinum temperature measuring resistor	Pt100: -200.0 to 850.0°C -328 to 1562°F JPt100: -200.0 to 600.0°C -328 to 1112°F
	Voltage and current	Voltage: -10 to +10 V (0.5 mV 1/40000) 0 V to 10 V (0.5 mV 1/20000) -5 V to +5 V (0.5 mV 1/20000) 0 V to 5 V (0.5 mV 1/10000) 1 V to 5 V (0.5 mV 1/8000) -100 mV to +100 mV (5 μV 1/40000) 0 mV to 100 mV (5 μV 1/20000) Current: 0 mA to 20 mA (2 μA 1/10000) 4 mA to 20 mA (2 μA 1/8000)
Indicated accuracy		±0.2% of F.S. (at 25°C ±5°C 77°F ±9°F), ±0.4% of F.S. (at 0 to 50°C 32 to 122°F)
Cold junction correction precision		±1°C ±1.8°F (during thermocouple input)
Input resistance		Voltage: 1 MΩ, Current: 250 Ω
Conversion speed		50 ms/4 ch
Insulation mode		Between an input terminal and CPU: Photocoupler and transformer insulation, Between channels: Photocoupler and transformer insulation
Others		External cold junction correction, wire-breaking detection function, scaling function, average processing function (time average, average of the number of times, moving average, primary delay filter), special data offset function, alarm function, rate of change calculation, rate of change alarm function
Internal current consumption		90 mA or less
Weight		Approx. 190 g

Dimensions

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

KV-TP40

