

Items	CM3-SP04EAA	CM3-SP04EOAV	CM3-SP04EOAI	Items	CM3-SP04EAO	CM3-SP04EAA
Analog Output point	2 points	4 points		Analog Input point	4 points	2 points
Analog Output	Voltage: 0V~+5V, 1V~+5V, 0V~+10V, -10V~+10V Current : 0~20mA, 4~20mA	0V ~ +10V. -10V ~ 10V (switch mode)	4~20mA	Analog Input	Voltage: 0V~+5V, 1V~+5V, 0V~+10V, -10V~+10V (Input resistor : 1MΩ, 20MΩ) Current : 0~20mA, 4~20mA(Input resistor : 250Ω)	
Output setting method	Setting by POWERTRAN	Switch OFF : 0V~10V Switch ON : -10~10V POWERTRAN setting	Not possible	Resolution	14bit, 0~16000 16bit, 0~64000	14bit, 0~16000 16bit, 0~64000 Setting by CICON
Digital Input	14bit, 0~16000 16bit, 0~64000 Setting by CICON	14bit, 0~16000				
Accuracy	± 0.05%(Full Scale)	± 0.1%(Full Scale)		Accuracy	± 0.1%(Full Scale)	Ambient temperature 25°C: ±0.2%(Full Scale) Operating temperature: ±0.3%(Full Scale)
Conversion speed	< 2ms/4Ch			Conversion speed	< 2ms/4Ch	
Absolute Max. Output	±12V 24mA	±12V	±24mA	Absolute Max. input	Voltage: ±12V Current: ±24mA	±12V ±24mA
Power supply	External DC 24V					
I/O occupation	16 points					
I/O Terminal	12 points Terminal	8 points Terminal		12 points Terminal		
Absolute Max. Output	±12V 24mA	±12V	±24mA	Voltage: ±12V Current: ±24mA		±12V ±24mA
Current consumption (mA) Inner	@DC3.3V, 45mA	@DC3.3V, 40mA	@DC3.3V, 40mA	@DC3.3V, 30mA		@DC3.3V, 45mA
Current consumption (mA) External	@DC24V, 75mA	@DC24V, 50mA	@DC24V, 90mA	@DC24V, 35mA		@DC24V, 75mA