

SG-3000 *Signal Conditioner Modules*

SERIES

SG-3011



Will be Available

SG-3011

Isolated Thermocouple Input Module

- Input type: J, K, T, E, S, R, B
- Voltage Output: 0~10V (10mA max)
- Three way isolation: 2500 Vrms
- accuracy: $\pm 0.1\%$
- Stability (temperature drift) : $\pm 2\beta C$
- Supply Voltage : 24VDC $\pm 10\%$

SG-3016



Will be Available

SG-3016

Isolated Strain Gauge Input Module

- Voltage Specifications :
 - Electrical input : $-10mV, -20mV, -30mV, -50mV, -100mV$
 - Excitation voltage : 1 ~10VDC (20mA max.)
- Voltage output : $-5V, -10V$
 - 0~5V, 0~10V(10mA max)
- Output impedance : $<50\Omega$
- Current output : 0~20mA
- Current load resistor: 0~500 Ω (Source)
- General
 - Three-way isolation : 2500Vrms
 - Accuracy : $\pm 0.1\%$ of full range(Typical)
 - Bandwidth: 3KHz (typical); @-3dB
- Supply Voltage: 10~30VDC
- consumption(typical): 1.74W, @24VDC

SG-3031N



Will be Available

SG-3031N

Non-isolated RTD Input Module

- Input Type : Pt
- Pt-100 $0\Omega \sim 200\Omega$; Pt-1000 $0\Omega \sim 200\Omega$
- Input Connections : 2 or 3 wires
- Voltage Output: 0~5V, 0~10V(10mA max)
- Output impedance: $<50\Omega$
- Current Output (Source):
 - 0~20mA, 4~20mA (Load, max 500 ohm)
- Accuracy :
 - $\pm 0.1\%$ of full range (voltage)
 - $\pm 0.2\%$ of full range (current)
- Supply Voltage: 18~30VDC
- Power consumption: 0.87W, @24VDC

SG-3000 *Signal Conditioner Modules & Power Modules*

SERIES

SG-3071



NEW!!

SG-3071

Isolated Voltage Input/Output Module

- Voltage input : -5V, -10V
0~5V, 0~10V
Input impedance : 2M Ω
Input bandwidth : 3KHz (typical); @-3dB
- Voltage output : -5V, -10V(10mA max)
Output impedance : <50%
- Current Output(Source) :
0 ~ 20mA, 4 ~ 20mA(Load, max 500 ohm)
- Isolation(three way): 2500Vrms
- Accuracy : -0.1% of full range (typical)
- Supply Voltage: 10~30VDC

SG-3081



NEW!!

SG-3081

Isolated Current Input/Output Module

- Current input :
Unipolar : 0~20mA, 4~20mA
Input impedance : 250 Ω
- Voltage output :
Unipolar : 0~5V, 0~10V(10mA max)
Output impedance : <50%
- Current Output(Source) :
0 ~ 20mA, 4 ~ 20mA(Load, max 500 ohm)
- Isolation (three way) : 2500Vrms
- Accuracy : -0.1% of full range (typical)
- Supply Voltage : 10~30VDC

SG-3090



NEW!!

SG-3090 Series

Isolated Power Module

- Input Range : 18~36VDC
- Temperature Coefficient : -0.03%/ $^{\circ}$ C
Ripple & Noise : 100mVp-p max.
Line Regulation : -0.2% max.
Load Regulation : -0.2% max.
Short Circuit Protection
- Efficiency : 83% Typical
- Isolation Voltage : 1000VDC min
- Isolation Resistance : 10⁹ ohms min
- Switch Frequency : 200KHz
- Operating Temperature : -25 $^{\circ}$ C to +70 $^{\circ}$ C
- Ordering information :

	3090-24S	3090-12S	3090-5S	3090-15D	3090-5D
Output Voltage	24V -2%	12V -2%	5V -2%	-15V -2%	-5V -2%
Current	400mA max.	800mA max.	2000mA max.	-300mA max.	-1000mA max.