

SG-3000 *Signal Conditioner Modules*

SERIES

SG-3000

SG-3011



SG-3011

Isolated Thermocouple Input Module

- Input type: J, K, T, E, R, S, B, N, C, L, M, L2 (DIN 43710)
- Voltage Output: 0~10V
- Current: 0~20mA
- Current load resistor: 0~450Ω (Source)
- Three way isolation: 3000 Vdc
- accuracy: ±0.2% of full range
- Stability (temperature drift) : ±2°C
- Supply Voltage : 10~30 Vdc ±10%
- Weight: 94 gram

SG-3013



SG-3013

Isolated RTD Input Module

- Input Type : Pt, Ni
- Pt 100 (-200°C ~ +600°C)
- Pt 1000 (-200°C ~ +600°C)
- Ni 120 (-80°C ~ +300°C)
- Input Connections : 2/3/4 wires
- Voltage Output: 0~5V, 0~10V
- Output impedance: <50Ω
- Current Output : 0~20mA, 4~ 20mA
- Accuracy : ±0.1% of full range
- Supply Voltage: 0~30Vdc ±10%
- Weight: 94 gram

SG-3016



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 or 0~5V, 0~10V
- Output impedance : <50Ω
- Current output : 0~20mA
- Current load resistor: 0~500Ω (Source)
- Three-way isolation : 3000Vdc
- Accuracy : ±0.1% of full range
- Bandwidth: 600Hz
- Supply Voltage: 10~30Vdc ±10%
- Consumption: 1.44W (Voltage Output)
- 1.74W (Current Output)
- Weight : 103 gram

SG-3000 *Signal Conditioner Modules & Power Modules*

SERIES

SG-3071



SG-3071

Isolated DC Voltage Input/Output Module

- Voltage input : $\pm 5V$, $\pm 10V$ or $0\sim 5V$, $0\sim 10V$
- Input impedance : $1.6M\Omega$
- Input bandwidth : $1KHz$
- Voltage output : $\pm 5V$, $\pm 10V$ (10mA max)
- Output impedance : $<50\Omega$
- Current Output : $0\sim 20mA$, $4\sim 20mA$
- Isolation (three way): $3000Vdc$
- Accuracy : $\pm 0.1\%$ of full range
- Supply Voltage: $10\sim 30Vdc \pm 10\%$
- Weight : 94 gram

SG-3081



SG-3081

Isolated DC Current Input/Output Module

- Current input :
- Unipolar : $0\sim 20mA$, $4\sim 20mA$
- Input impedance : 250Ω
- Input bandwidth : $1KHz$
- Voltage output :
- Unipolar : $0\sim 5V$, $0\sim 10V$ (10mA max)
- Output impedance : $<50\Omega$
- Current Output : $0\sim 20mA$, $4\sim 20mA$
- Isolation (three way) : $3000Vdc$
- Accuracy : $\pm 0.1\%$ of full range
- Supply Voltage : $10\sim 30Vdc \pm 10\%$
- Weight : 96 gram

PW-3090



PW-3090 Series

Isolated Power Module

- Input Range : $18\sim 36Vdc$
- Temperature Coefficient : $\pm 0.03\%/^{\circ}C$
- Ripple & Noise : $100mVp-p$ max.
- Line Regulation : $\pm 0.2\%$ max.
- Load Regulation : $\pm 0.2\%$ max.
- Short Circuit Protection
- Efficiency : 83% Typical
- Isolation Voltage : $1000Vdc$
- Isolation Resistance : 10^9 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 $\pm 2\%$	12V $\pm 2\%$	5V $\pm 2\%$	$\pm 15V$ $\pm 2\%$	$\pm 5V$ $\pm 2\%$
Current	400mA max.	800mA max.	2000mA max.	300mA max.	1000mA max.