

SGA AC/DC POWERED SIGNAL CONDITIONER (U.S. & METRIC)

FEATURES & BENEFITS

- User selectable analog output $\pm 10V$, $\pm 5V$, $0-10V$, $0-5V$, $0-20\text{ mA}$, $4-20\text{ mA}$
- 110 VAC, 220 VAC OR 18-24 VDC power
- Switch selectable filtering 1 Hz to 5 kHz
- Single channel powers up to 4 transducers
- Selectable full scale input range 0.06 to 30 mV/V
- Switch selectable offset $\pm 70\%$ FS
- Sealed ABS enclosure

SPECIFICATIONS

POWER		
AC – VAC, Hz		110, 60 or 220, 50
DC – VDC		18-24
EXCITATION		
Voltage – VDC $\pm\%$		10 ± 5
Current – mA		118
PERFORMANCE		
Output	V	± 10 , ± 5 Bipolar 0-5, 0-10 Unipolar
	mA	0-20, 4-20 Unipolar or Bipolar
Input Range – mV/V		± 0.06 to ± 30
Max Bandwidth – kHz		6
Filter – Hz		1 to 5K
Offset – %FS		± 70
Nonlinearity – %FS		0.03
Span Temperature Coefficient – % / $^{\circ}\text{F}$ Max		0.004
Zero Temperature Coefficient – μV / $^{\circ}\text{F}$ Max		0.5
ENVIRONMENTAL		
Operating Temperature	$^{\circ}\text{F}$	+32 to +122
	$^{\circ}\text{C}$	0 to +50
Storage Temperature	$^{\circ}\text{F}$	-4 to +158
	$^{\circ}\text{C}$	-20 to +70
Dimensions – L x W x H	in	6.3 X 3.1 X 2.2
	mm	160 x 79 x 56
Enclosure		Sealed ABS case, Compression cable seals

RELATED PRODUCT OPTIONS

SGA-RSC - SGA that can remotely activate a Shunt Calibration by closing a relay on the related RSC module

SGA-DCI - SGA with Isolated 12/24V power supply

SGA-BCM - SGA with Bridge Completion Module for both quarter and half bridges

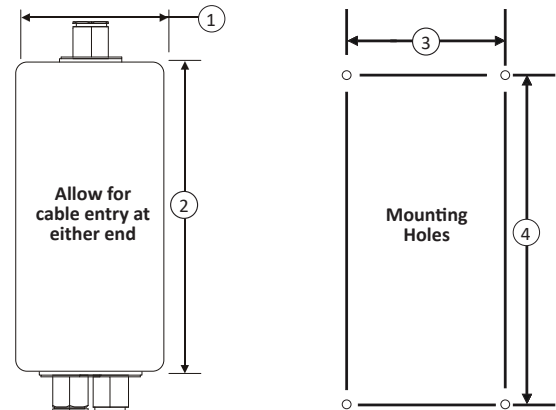
ACCESSORIES

- AC Power Cord (PWRCRD-SGA-110)

STANDARD CONFIGURATION



MODEL SGA (Shown)



DIMENSIONS

1		2		3		4		Depth	
mm	in	mm	in	mm	in	mm	in	mm	in
80	3.15	160	6.30	50	1.97	148	5.83	55	2.16

ORDERING INFORMATION

SGA - Amplifier with no power cord included.

SGA-WPC - Amplifier with Power Cord.

SGA-RSC - Amplifier with Remote Shunt Calibration option and no power cord.

SGA-RSC-WPC - Amplifier with Remote Shunt Calibration option and includes a power cord.

SGA-DCI - SGA-D with Isolated Power Supply option and no power cord (DC Power Only). Also allows for 9-36 VDC Supply.

SGA-BCM - Amplifier with Bridge Completion option and no power cord.

SGA-BCM-WPC - Amplifier with Bridge Completion option and includes power cord.

SGA-DRMK - DIN Rail Mounting Kit option for Model SGA.

U.S. dimensions and capacities are provided for conversion only. Standard products have International System of Units (SI) capacities and dimensions.