

SGA/A & SGA/D STRAIN GAGE AMPLIFIER

FEATURES

- 10V Excitation for up to 4 x 350R Bridges
- Adjustable Sensitivity 0.1 to 30 mV/V
- User Selectable Analog Output
- Simultaneous Voltage and Current Output
- Direct Connection to PLC, Display, Instrument
- LVDT Version Available



SPECIFICATIONS

Model	SGA
PARAMETERS	
PERFORMANCE	
Power Supply (SGA/A)	110/230 V AC
Power Supply DC	18-24 V DC
Power Supply Current	200 mA
Bridge Excitation	10 V (350R Strain Gage)
Bridge Resistance	85 Ohms
Bridge Sensitivity (Switchable)	0.06 Min - 29 Max mV/V
Gain Adj. (Pot-fine adj.)	0.06 Min - 1.0 Max mV/V
Offset Adj. (Pot-fine adj.)	-1.25 Min - 1.25 Max %FS
Offset Adj. (Switchable-course adj.)	+/-1.25 Min - +/-79 %FS
Output Load (Voltage output)	2 mA
Output Load (Current output)	0 - 500 Ohms
Temp. Effect on Zero	0.09% FS /100 degrees C
Temp. Effect on Span	1.0% FS /100 degrees C
Non-linearity	0.03% % FS
Gain Stability	0.2% FS (1st 1000 hrs)
Output Load Stability Gain (0-100%)	.01% FS
Output Load Stability Off-set (0-100%)	.01% FS
Power Supply Reject. Gain (0-100%)	.01% FS
Power Supply Reject. Offset (0-100%)	.01% FS
Operating Temperature Range	-20 - 50 degrees C
Humidity Range	0-95%