

ISG ISOLATED DIN RAIL MOUNT SIGNAL CONDITIONER

FEATURES & BENEFITS

- High Accuracy
- ± 5 or ± 10 VDC Analog Output (4-20mA Optional)
- 10 to 30 VDC Supply Voltage
- Accepts inputs up to 4.5mV/V
- 1 Hz to 1 kHz adjustable filter (up to 10kHz optional)
- Space saving narrow housing per DIN EN 50022
- Isolated power supply

SPECIFICATIONS

POWER		
DC – VDC		10-30
Ripple – %		<10
Current – V < mA		10 <200 / 24 <120
Fuse – mA		Self Re-Setting 500
Isolation		Galvanic from Output and Measurement circuits
EXCITATION		
Voltage – VDC(V)		10 (Option 5)
Temperature Coefficient – ppm/K		25
Current – mA (mA @ V)		90 (60 @ 5)
PERFORMANCE		
Output – V < mA		± 5 , ± 10 <2
Ripple – mV		< 20
Input Range – mV/V		0.3 to 4.5 Switch Selectable
Input Resistance		1.00E+10
Max Bandwidth – Hz		1000
Filter – 3dB – Hz		10 to 1000 Potentiometer Adjustable
Offset		Up to 50% coarse and fine adjust
Nonlinearity – %		< 0.02
Span Temp Coefficient – %/ K		< 0.02/10
Zero Temp Coefficient – %/ K		< 0.02/10
ENVIRONMENTAL		
Operating Temp	°C	0 to +60
	°F	+32 to +140
MECHANICAL		
Dimensions - W x H x D	mm	23.1 x 111.0 x 75.9
	in	0.91 x 4.37 x 2.99
Protection Level		IP20
Electrical Connections		Screw Terminal
DIN Rail		DIN EN 50022

STANDARD CONFIGURATION



MODEL ISG-VO-1 (Shown)

OPTIONS

- Outputs: 5 $\pm$ 5V, 4-20mA, 0-20mA, 12 $\pm$ 8mA, 10 $\pm$ 10mA
- Increased dynamics: 5kHz-3 dB, 10kHz-3 dB
- Excitation: 5V $\leq$ 60MA

