

Height 'A' - 114.5 mm  
 Depth 'B' - 99 mm  
 Width 'C' - 22.5 mm



### Measuring range

- Adjustable: 0.5 to 10 mV/V

### Features

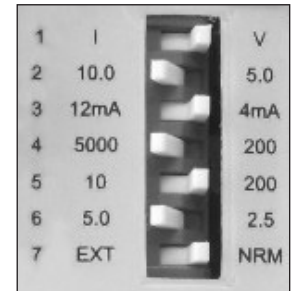
- Wide Zero & Span adjustment
- Configurable, low-pass filtering
- Symmetry capability
- Selectable excitation & output

### PERFORMANCE SPECIFICATIONS

<b>RANGE - Adjustable</b>	0.5 mV/V to 10.0 mV/V nom. F.S.			
<b>TRANSDUCER TYPES</b>	Conventional 4-arm strain gage bridges, 120 to 10k Ohm			
<b>EXCITATION - Selectable</b>	2.5 or 5.0, up to 70mA			
<b>POWER SUPPLY</b>	11-28 Vdc regulated, 2 watts max.			
<b>ANALOG OUTPUT - Selectable</b>	±0 to 5 Vdc			
	±0 to 10 Vdc			
	4-12-20 mA			
	4-20 mA (20% over-range, voltage only)			
<b>OPERATING TEMPERATURE</b>	14° to +158°F (-10° to +70°C) 5 to 95% relative humidity, non-condensing			
<b>ACCURACY</b>	Limited by calibration accuracy			
<b>AMPLIFIER</b>				
<b>Common-mode range</b>	±3V operating, ±30V without damage			
<b>Common-mode rejection ratio</b>	-60dB @ 1/2 excitation			
<b>Input impedance</b>	Differential and Common-mode > 10,000 Mohm			
<b>Offset - Adjustable</b>	vs Temperature: ±30 ppm/°C			
	vs Time: ± 10 ppm/month			
<b>Gain accuracy</b>	Limited by calibration accuracy			
<b>Gain stability</b>	vs Temperature: ±30 ppm/°C			
	vs Time: ± 10 ppm/month			
<b>Linearity</b>	Better than ±0.03% of full scale			
<b>FILTER - Selectable</b>	3-pole modified Butterworth, 3dB down at 10 Hz or 5kHz			
<b>STEP-RESPONSE SETTLING TIME</b>	F.S. @ 10 Hz	F.S. @ 200 Hz	F.S. @ 5kHz	
	To 1% of final value	0.068 sec.	0.0034 sec.	0.00015 sec.
	To 0.1% of final value	0.090 sec.	0.0046 sec.	0.00018 sec.
	To 0.02% of final value	0.100 sec.	0.0054 sec.	0.0002 sec.

### FRONT PANEL SWITCH SETTINGS

	LEFT	RIGHT
<b>Output Mode</b>	Current	Voltage
<b>Voltage Level</b>	10 Vdc	5 Vdc
<b>Current Level</b>	4-12-20 mA	4-20 mA
<b>Filter Setting</b>	5 kHz	200 Hz
<b>Filter Setting</b>	10 Hz	200 Hz
<b>Excitation</b>	5.0 Vdc	2.5 Vdc
<b>Zero Adjust</b>	Extended	Normal



### CONNECTIONS

I/O Connector Pin Number	Screw Terminal	Terminal Label	Conditioner Line Function
Top Rear 1	1	+EXC	+EXCITATION
Top Rear 2	2	+SEN	+SENSE
Top Rear 3	3	-EXC	-EXCITATION
Top Rear 4	4	-SEN	-SENSE
Top Front 1	1	+SIG	+SIGNAL Input
Top Front 2	2	-SIG	-SIGNAL Input
Top Front 3	3	CAL SEN	CALIBRATION SENSE
Top Front 4	4	Chassis Ground	SHIELD
Bottom Front 1	1	ANO OUT	ANALOG Output
Bottom Front 2	2	SHP	Shunt Positive
Bottom Front 3	3	SHN	Shunt Negative
Bottom Front 4	4	AUX	AUXILIARY Output
Bottom Rear 1	1	Acom	Analog Common
Bottom Rear 2	2	Pcom	Power Common
Bottom Rear 3	3	24V	24Vdc Power
Bottom Rear 4	4	Chassis Ground	SHIELD