

SIGNAL CONDITIONER

Signal Conditioners are wall-mounting/din rail-mounting instruments compatible with strain gauge-based transducers. They are used to convert mV analog signal to highly linear analog output voltage / current for interface with other industrial instruments.

The features are:

- mA/mV Output proportional to load
- Simple to operate
- Reliable
- Easy to install
- Rugged design for industrial environment



Model: SC600A0



Model: SC623A0






Model: SC200L1

DESCRIPTION

The unit consists of an instrumentation amplifier that is designed to accept low level differential signals from a transducer bridge. It consists of two stages amplification which gives voltage output and has voltage to current converter for generating current output corresponding to input signal. This unit has a provision for 0 – 10V DC / 4 – 20mA / 0 – 20 mA adjustments to calibrate the device for full scale input in the range of 0– 15 mV DC.

SPECIFICATIONS

Model No.	SC200L1	SC623A0	SC600A2	SC600A3	SC630A0	SC630A3
						
Type	Wall mounted	Din Rail Mounted				
Power Supply	230V, $\pm 10\%$, 50Hz	85-240V AC, $\pm 10\%$, 50/60 Hz			9-36V DC	
Operating Temperature	0 - 60 °C					
Temperature Drift	$\pm 0.01\%$ / °C					
Excitation	$\pm 5V$ DC					
Signal input	0 to 15mV / 20mV DC	Differential 0 to 30 mV DC				
Output	4-20mA / 0-20mA 0 – 10V	0 – 10V DC	4-20mA	0-10V	4-20mA	0-10V
Display	NA	0.28 "3-digit 7 segment LED	NA	NA	NA	NA
Readout	NA	0 to 10.0 V	NA	NA	NA	NA
Non-linearity	$\pm 0.25\%$ of full scale					
Protection	IP-20					
Adjustments provided by potentiometer (TARE, SPAN)	4-20 mA / 0-20 Ma 0-10 V	0V and 10V	4 mA and 20mA	0 – 10 V DC	4 mA and 20mA	0 – 10V DC

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