



STRIP CHART RECORDER MODEL SR-2000

Features:

Microcontroller based for precision, convenience and flexibility

- SMPS Voltage Power Supply
- Polynomial based Linearization for RTD, mA, mV and Thermocouple types J, K, R, S, T with software compensation for cold junction temperature
- Software based Mechanical Calibration (Pen Alignment) for Easy Maintenance
- Stepper Motor-driven, Pen and Chart Movement, the benefits of which are:
 - Elimination of the need for Mechanical Feedback Systems and Potentiometers
 - Repeatable and Enhanced Reliability
 - Reduction in Maintenance
- An optional Digital Display for continuous reading of parameter values and displaying messages
- Mechanical and Electronic Calibration done from Front Panel Keyboard



Specifications:

Display (Optional)	8/10-digit Ultra bright LED numeric / semi-alphabetic			
Input Signal Type	RTD	TC	mV	mA
Valid Input Range	-100 to +600°C	J: 0 to 400 °C K: 0 to 1200 °C R: 0 to 1750 °C S: 0 to 1750 °C T: -100 to 400 °C	-1000.0 to 1000.0 mV or -50.0 to +50.0 mV (in case of 3 Pen/6 Point recorder)	4 – 20 mA
Display Range	-2000.0 to +2000.0 °C		-2000.0 to 2000.0 %	
Resolution	0.1 °C		0.1 mV	0.1 %
Accuracy	±0.5 % FSD ±1 digit			
Keyboard	Tactile type, 3 keys / 5 keys			
Recording	(One/two/three –Pens) / 6 point, Stepper Motor controlled, 0.2 % resolution and repeatability			
Programmable Range (Optional)	Fully programmable to record over any segment of valid input range, with span and lower end of recording range settable in steps of 1			
Response Time	< 5 sec. for 0 to 100 %			
Overshoot	None			
Power Supply	180 – 260 V AC, 50 Hz			
Power Consumption	20 VA / 40 VA Maximum			
Physical	100 mm chart width			
	1P / 2P		3P / 6 Point	
Bezel Size (mm)	144 x 144 240 mm depth		144 x 144 320 mm depth	
Panel Cutout (mm)	138 x 138		138 x 138	
Environmental	Operating Temperature: 15 °C to 45 °C; 10 to 90 % RH, non-condensing			

Specifications are subject to change without notice due to continuous design improvement.

For further information/clarification send mail to info@digitalpromoters.com, digitalpromoters@gmail.com
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