

| SA100(R) ROTARY DIGITAL DISPLAY

BEI P/N 60012-005



Introduction

This versatile 7-digit display reads out in degrees/minutes/seconds (DMS) or decimal degrees. Resolutions up to 0.001 degree are selectable from the front panel.

The SA100 (R) accepts a 5VDC standard differential quadrature signal from either linear or rotary incremental encoders. Incremental and absolute operating modes are available. The SA100(R) also features an auxiliary reference input, allowing integration of an independent reference marker from a remote switch. The SA100(R) comes with its own 12VDC power supply which operates on 115 VAC line voltage. A Setup Mode allows front panel programming of

- automatic calibration
- display resolution
- axis resolution
- count direction
- loss of signal error
- referencing
- angular error
- gear ratio compensation
- table radius factors



TECHNICAL SPECIFICATIONS

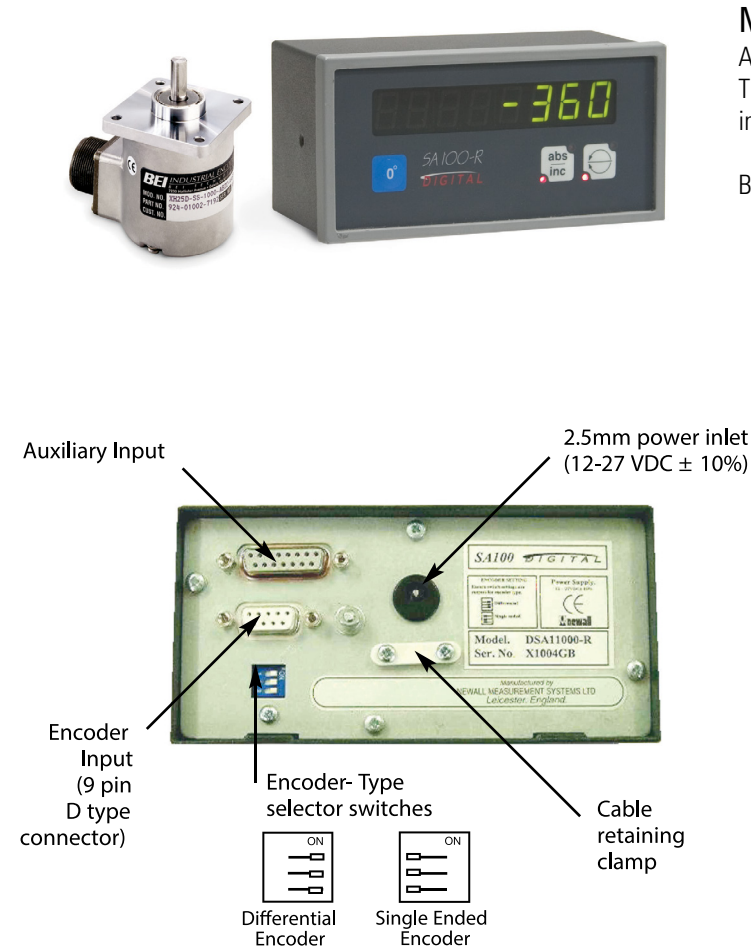
Construction	1/16" sheet metal
Dimensions	Height: 2.835", Width: 5.878", Depth: 2.756", Weight: 1.07lbs
Operating Voltage	12-27 VDC \pm 10% (power supply 60012-003 included)
Maximum Power Consumption	6 watts
Maximum Data Rate	2MHz
Operating Temperature	0 to 45°C
Storage Temperature	-20 to 60°C
Inputs	Two channels in quadrature. Differential or single ended (user selectable)
Environment	Indoor use, IP20



ENCODER INPUT (9-WAY D)

Encoder Input (9-way D)	
Pin No.	Function
1	N/C (or OV)
2	Channel A
3	Channel /A
4	Channel B

5	Channel /B
6	0V
7	+5V
8	Channel Z
9	Channel /Z



Mounting Kit (Optional)

An optional installation kit is available for the SA100(R). The kit includes all necessary hardware to mount the SA100(R) into a panel or to attach an adjustable support for desktop use.

BEI P/N: 31326-001



Panel Mounting



Desktop or Support Mounting Arm

Made In France

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