

Display Resolution

Temperature, LM335 sensor	0.01 deg. °C
Temperature, AD592 sensor	0.01 deg. °C
Temperature, 100 Ω Platinum RTD sensor	0.01 deg. °C
Resistance (NTC Thermistor, 100 ma current source).	0.01 KΩ
Resistance (NTC Thermistor, 10 ma current source).	0.1 KΩ
TEC Voltage	0.01 V
TEC Current	0.01 A

Measurement Accuracy*

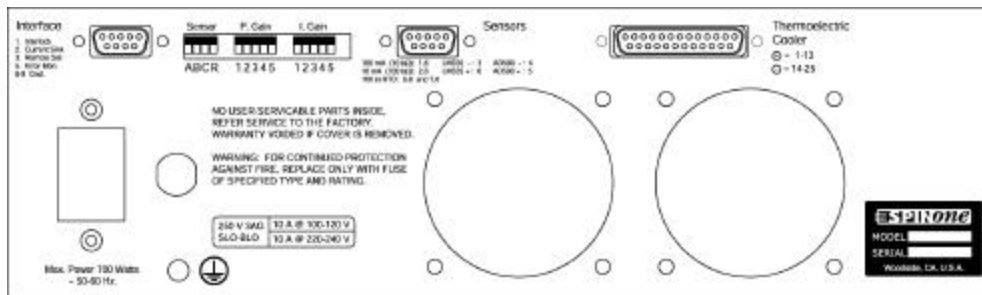
Temperature, LM335 sensor	+/- 0.1 deg. °C
Temperature, AD592 sensor	+/- 0.1 deg. °C
Temperature, 100 Ω Platinum RTD sensor	+/- 0.2 deg. °C
Resistance, NTC Thermistor, 10 KΩ sensor	+/- 0.1 %
Resistance, NTC Thermistor, 100 KΩ sensor	+/- 0.1 %
TEC Voltage	+/- 1 %
TEC Current	+/- 1 %
Stability	< .001 °C RMS (at constant ambient and thermal load, using a properly-mounted sensor, after 1 hr. warm-up, tested at 120 W output).
Temperature Coefficient	.03 °C/°C

Miscellaneous

Weight:	10 lbs. (4.5 Kg)
Dimensions:	12" W. x 12.5" D x 3.5" H (304 mm x 317 mm x 89 mm)
Sensor Selection:	Back-panel DIP switch.
Sensor Calibration:	Separate trim adjustments for each sensor.
Display type:	5 digit LED numeric display with 1/2" characters, easily visible from a distance in a bright or darkened laboratory.
Cables:	Male/female DB-25, 10' cable used for thermoelectric cooler, male/female DB-9, 10' cable used for sensors. Both cables and connector at TEC end included.

* Specified temperature accuracy may be achieved for sensors that have been calibrated and linearized over a specific temperature range common to most laser diodes, (usually +5 °C to +45 °C) using the calibration procedures described in the operating manual.

Rear Panel View



650-851-2337
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