

LAWSON LABS, INC.
MODEL 20B THERMOCOUPLE AMPLIFIER
SPECIFICATIONS

THERMOCOUPLE INPUTS:	6 fully differential channels
INPUT OVERVOLTAGE PROTECTION:	120 volts transient 65 volts continuous
INPUT IMPEDANCE:	100,000 megohms typical
LINEARITY:	0.05% of full scale
SETTLING TIME:	400 microseconds
OVERALL ACCURACY:	System accuracy not including thermocouple conformity error is +/- 1 degree Centigrade with the Model 20B at room temperature. The standard linearization programs add 0.5 degrees C variation.
COLD JUNCTION COMPENSATION:	Exposing the Model 20B to a step change of 20 degrees Centigrade will cause a temporary additional measuring error of less than 0.5 degrees Centigrade.
RANGE:	The Model 20B accommodates the full range of all common thermocouple types. Platinum thermocouple users may want a custom gain setting for improved resolution.
CONTROL INPUTS:	6 volt logic, negative true. Compatible with all Lawson Labs A/D cards.
POWER REQUIREMENT:	105-135 VAC, 50-60HZ, 6 Watts
SIZE:	6.25 x 3.75 x 2 inches
PRICE:	\$195.00
OPTIONS:	7-channel general purpose amplifier, gain=50 no charge Premium low-noise amplifier \$25.00 Custom gain setting (x2 to x400) \$20.00 DC powered, panel mounting \$20.00