

LAWSON LABS, INC.
MODEL 140 ULTRA-RELIABLE 15-BIT A/D
for IBM PC/XT/AT & COMPATIBLES
SPECIFICATIONS

TYPE:	dual slope with automatic zero and automatic polarity control
DIFFERENTIAL INPUT RANGE:	+4.75 to -5 volts
RESOLUTION:	0.25 millivolts
LINEARITY:	0.005% of full scale
ACCURACY:	0.025% of full scale at normal operating temperatures
REPRODUCIBILITY:	+/- 1 count typical
INPUT IMPEDANCE:	1000 megohms typical
CONVERSION TIME:	134 milliseconds
ANALOG INPUTS:	4 fully differential channels protected up to 200 volts
DIGITAL INPUT:	single-bit, contact closure or 5-volt logic compatible
DIGITAL OUTPUTS:	4 latched optically isolated lines protected to 200 volts
TYPICAL POWER CONSUMPTION:	+5V 160 milliamps +12V 17 milliamps -12V 15 milliamps
SIZE:	3.9 x 6.75 inches .625 inches maximum height
PRICE:	\$265.00
OPTIONAL SOFTWARE:	LOG140 data logging software with QB 4.5 source code is priced at \$20.00