

# ***Lawson Labs, Inc.***

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## Model 11SC Temperature Stabilized Bridge Amplifier

### SPECIFICATIONS

Power requirement: +12 to +15 VDC @ 300 MA  
-8 to -15 VDC @ 80 MA  
linear supply recommended

Excitation output: 7.5 VDC nominal excitation  
minimum bridge impedance 80 ohms

Gain: x600 nominal

Offset: -7.5 MV nominal

Nominal Range: A 2MV/V Gage gives an output  
from -4.5 to +4.5 volts

Linearity: 0.005% of full scale

Settling time: 125 Milliseconds to 20 bits

DC Common Mode Range: 0 to 6 volts

Common Mode Rejection Ratio: -100 dB typical

Temperature Control point: 45 deg. C nominal  
(can be raised with external resistor)

Price: \$200.00 (add \$5 for optional  
insulating cover)

### Installation recommendations:

For best results the Model 11 should be mounted in a shielded enclosure with insulating material packed tightly around all six sides of the module. If the enclosure is warmer than 42 deg. C, an external resistor should be used to raise the temperature control point.