

Lynx™ Standard Sensor Adapter SG/LX 1-S

The SG/LX1-S Sensor Adapter is a mold or platen mountable strain gauge sensor input module designed to be used with the *eDART* System™. This module can be used to monitor standard RJG mold pressure and hydraulic sensors, or any other strain gauge style sensor.

The sensor adapter is designed to be mounted on the moving platen, mold half, or any other convenient location on the molding machine (see Figure 13 for mounting dimensions). Once mounted, the sensor adapter can be connected to the sensor through the 6-pin bendix using standard RJG T-520 cables. The unit gets power and communications through the micro connector. This allows the unit to be interfaced with other Lynx™ sensors and the *eDART* System™.

The sensor adapter easily interfaces with all RJG strain gauge sensors. Other manufacturers' sensors can be used as long as the full scale sensitivity does not exceed a sensitivity of 2mV/V (see Table 15 for technical details).

CAUTION

Ensure the Sensor Adapter is bound firmly to the metal platen or mold and that the platen or mold is properly grounded. Also, make sure that all cables are wired away from any sources of static, such as material feeds lines.

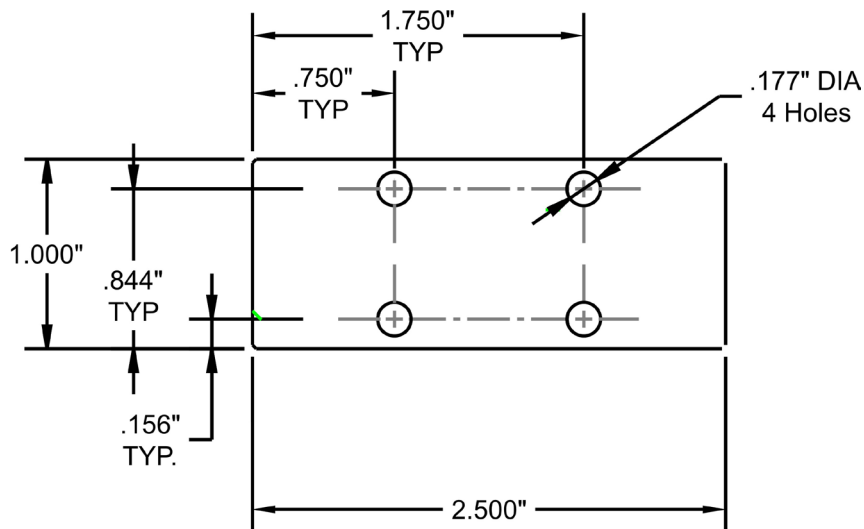


Figure 13: Lynx™ Standard Sensor Adapter

Technical Specifications	
Power (supplied by eDART™)	12VDC
Current Draw	45mA
Supplied Excitation Voltage	5.000V
Maximum Differential Input Voltage	10.00mV

Table 14: Lynx™ Standard Sensor Adapter technical specifications

Bendix Pin	Function
A	+EXC
B	-EXC
C	+SIG
D	-SIG
E	Shield
F	N/A

Table 15: Lynx™ Standard Sensor Adapter Bendix connector pin-out