



LS-121-P Signal Isolator

Power	120 VAC, +/- 10%, 8 VA
Operating Temp	0-50 C (32-122 F)
Relative Humidity	0-95% RH
Input Signal	4-20 Ma OR 1-5 Vdc
Output Signal	4-20 mA or 1-5 Vdc
Max Output Load	1500 ohms
Seismic Approval	Category B
Transient Immunity	OPG A28M-1982
RFI Immunity	OPG C504-7-77
Accuracy	+/- 0.25% of span
Drift	Short term +/- 0.05% LongTerm +/- 0.1%
Isolation	1000 Vac, input vs output

The LS-121-P was developed as a direct form, fit function replacement for the Fisher Controls model LS-121. The LS121-P signal Isolator uses a transformer isolation technique to provide mutual 3 way isolation between input, output and power.

The new LS-121-P several performance enhancements. It has an electrical transient protection circuit on the input and output signal lines as well as the power line. The power supply is a very efficient switching power supply which uses only one electrolytic capacitor as compared to the original unit which had a linear supply with multiple electrolytic capacitors. Additionally the circuit is designed with a low temperature coefficient giving the unit good long term stability requiring reduced calibration maintenance.

