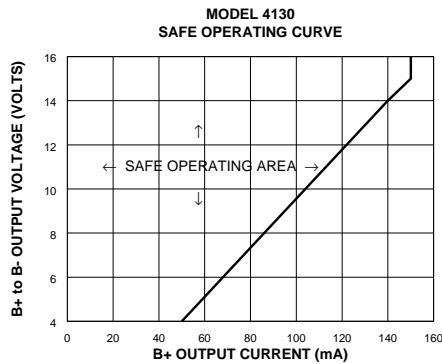


Model 4130 AC Powered Bridge Excitation Supply

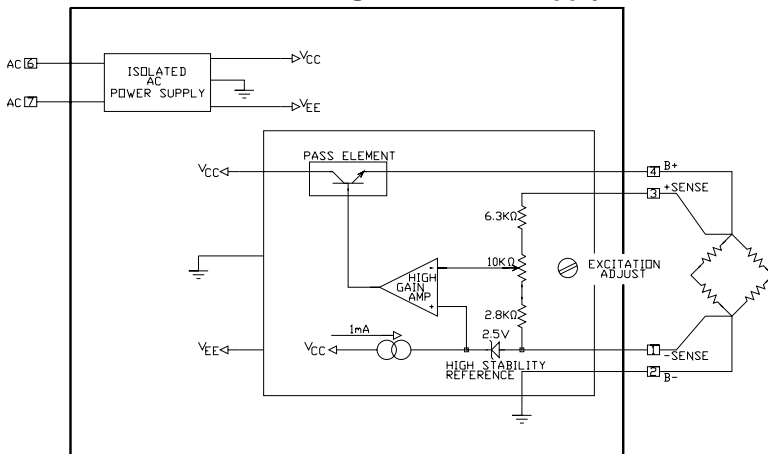


Description

The 4130 is a self contained AC powered Bridge Excitation Supply. The device consists of a low interwinding capacitance AC transformer and a high stability adjustable linear regulator designed specifically for driving transducer bridges. The bridge supply is trimpot adjustable from 4 to 15 Volts output and capable of supplying 0 to 150 mA in output current. This excitation source features very low noise and state of the art regulation. AC input requirements are 105-125 VAC at 60 Hz. 100, 220, 230, VAC Inputs are also available. Specify by adding to Model Number, i.e. 4130-230.



4130 AC Powered Bridge Excitation Supply



⊗ = TRIMPOT ADJUST

Features

- Rugged Easy to Use Package
- Low drift: 50 ppm/°C; Low Noise: 0.5 mV RMS
- Wide Output Range: 4 - 15 Volts with Trimpot
- High Line and Load Regulation: 0.05% max.
- Bridge Excitation Protected Against Direct Shorts to Common
- 1100 VRMS Isolation from module Common to AC Line
- Low Coupling Capacitance Split Bobbin Power Transformer

Specifications

Conditions (Unless Noted): VAC = 115 VAC. Ta = 25°C

Parameter	MIN	TYP	MAX	Units
Bridge Supply				
Output Voltage	4.0		15.0	Volts
Output Current	0.0		150	mA DC
Load Regulation IL = 5-150 mA, Vo = 10V		0.02	0.05	%
Line Regulation VAC = 105-125 VAC IL = 150 mA, Vo = 10V		0.02	0.05	%
Output Vs. Temperature 0 - 70°C		50	200	ppm/°C
Output Noise Vo = 12V, IL = 120 mA 0 - 20 kHz			0.5	mV RMS
Short Circuit Current		750		mA
Environmental				
Storage Temperature Range	-25		85	°C
Operating Temperature Range	0		55	°C

Specifications subject to change without notice.

Mechanical Specifications

