

PST-4130

REGULATED POWER SUPPLY



INSTRUCTION SHEET

M0563-0504

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GENERAL INFORMATION

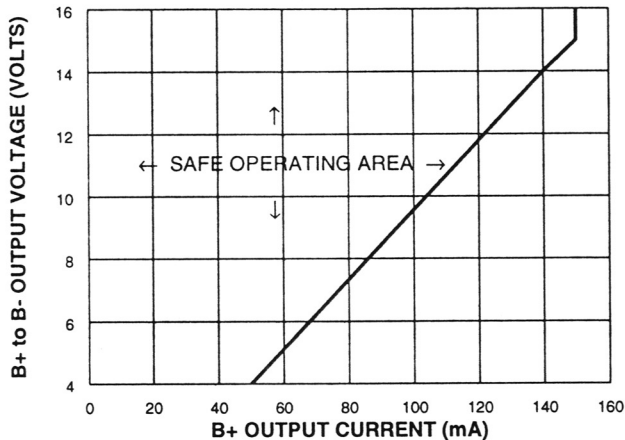
The OMEGA PST-4130 is AC line powered adjustable output power source designed for strain gages and pressure transducers. It can also be used as a high quality voltage source or reference in many applications. The PST-4130 has a split bobbin transformer for high line isolation. It has remote sensing to eliminate line drop errors, and features excellent regulation, stability, and very low noise.

IMPORTANT NOTICE

Corresponding sense leads must be connected to their corresponding excitation leads either at the sensor or power source for the power to function.

**Jumpers must be installed between:
1 & 2 terminals, 3 & 4 terminals**

SAFE OPERATING CURVE

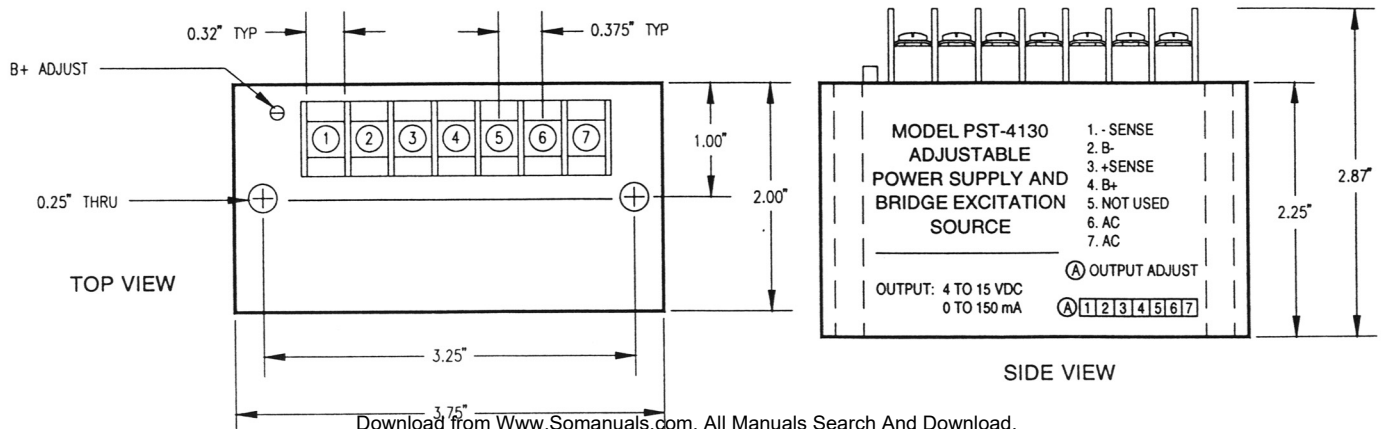


NOTE: To operate safely in the "unsafe" area of the curve, at low voltage settings, use an external resistor in the B+ line, to take most of the drop externally, and connect the + sense line in the normal manner. Do not allow prolonged shorts across the output.

SPECIFICATIONS

INPUT:	115 Vac \pm 10%, 50-60 Hz
OUTPUT VOLTAGE:	Adjustable 4 to 15 Vdc
OUTPUT CURRENT:	150 mA max (see graph)
LINE & LOAD REGULATION:	0.005%
NOISE:	0.5 mV RMS
STABILITY:	50 ppm/ $^{\circ}$ C
OPERATING TEMPERATURE:	32 $^{\circ}$ to 158 $^{\circ}$ F (0 $^{\circ}$ to 70 $^{\circ}$ C)
STORAGE TEMPERATURE:	-13 to 185 $^{\circ}$ F (-25 $^{\circ}$ to 85 $^{\circ}$ C)
LINE ISOLATION:	1500 Vdc
WEIGHT:	18 oz. (510 g)

DIMENSIONS



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The purchaser is responsible for shipping charges, freight, insurance and proper packaging to prevent breakage in transit.

PATENT NOTICE: U. S. Pat. No. 6,074,089; 5,465,838 / Canada 2,228,333; 2,116,055 / UK GB 2,321,712 / Holland 1008153 / Israel 123052 / France 2 762 908 / EPO 0614194. Other patents pending.

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