

# EXCITATION FOR STRAIN GAGES, BRIDGES, AND PRESSURE TRANSDUCERS SCREW TERMINAL STYLE

## PST Series

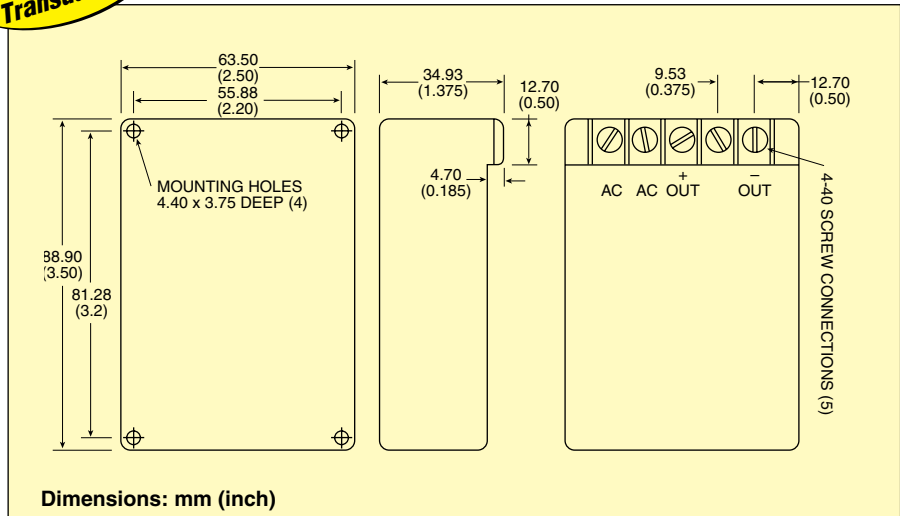
- ✓ 4-40 Screw Terminations and Mounting Inserts
- ✓ Floating Output
- ✓ Efficient
- ✓ Rugged
- ✓ Lightweight: 425 g (15 oz)



PST-10, shown smaller than actual size.

Works with Most Transducers

Encapsulated power supplies provide a versatile excitation source for transducers and bridges. The barrier-strip case is designed to be mounted to a bulkhead or chassis with four 4-40 screws. Screw terminals are provided for connection, using either crimp lugs or stripped wires. These regulated power supplies are a modular solution to a user's excitation needs. The stable output allows drift-free performance even if the input power source is noisy or unstable. Long-term measurements can then be meaningfully compared. Short circuit protection prevents failure caused by excessive current drain, and the conservative design ensures long-term reliability.



### SPECIFICATIONS

**Input Voltage:** 105 to 125 Vac, 47 to 420 Hz, single phase

**Ripple:** 0.5 mVrms

**Output Voltage Trim Adjustment:**

Output is factory preset to  $\pm 2\%$  (1 to 9V models) or  $\pm 1\%$  (10 to 75V models) of nominal output voltage. Output may be trimmed to the nominal voltage rating with an external trim resistor.

**Polarity:** Output is floating. Either positive or negative terminal may be grounded.

**Operating Temperature:** -20 to 71°C (-4 to 160°F); no derating required

**Storage Temperature:** -55 to 85°C (-67 to 185°F)

**Temperature Coefficient:** From 9 to 75V, approximate TC is 0.015%/°C; 1 to 8V is 0.03%/°C

### To Order

Model No.	Output	
	Volt	mA
PST-5	5	500
PST-8	8	300
PST-10	10	240
PST-15	15	200
PST-A15	15	300
PST-B15	15	500
PST-18	18	270
PST-28	28	150

Model No.	Description
POWER CORD-SE	Power cord with stripped end termination

Comes complete with operator's manual.

**Ordering Examples:** PST-10, encapsulated power supply with 10V, 240 mA output.

PST-5, encapsulated power supply with 5V, 500 mA output.