

MODEL TP325

# TRIPLE OUTPUT LABORATORY POWER SUPPLY

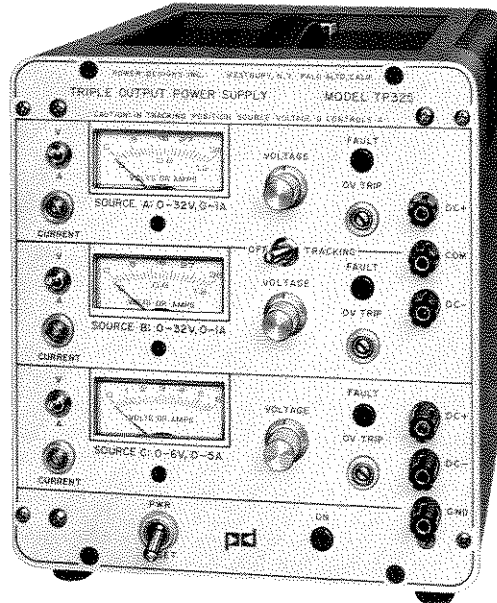
## DIGITAL AND ANALOG APPLICATIONS

0-32 VDC, 0-1A\*

0-32 VDC, 0-1A\*

0-6 VDC, 0-5A

NOISE & RIPPLE  
LESS THAN 1.0  
MILLIVOLT P-P



\* Independent or 0.1% tracking with panel switch

### features:

- No derating. All outputs may be operated simultaneously at full capacity for a maximum of 94 VA.
- Outputs are floating with respect to each other and chassis except for an internal connection between one negative terminal and one positive terminal of the 32 volt sources. The two 32 volt sources may be operated in series to provide 0-64 VDC, 0-1A in any polarity with respect to chassis or left floating. The 0-6 VDC source may be operated in any polarity with respect to chassis or left floating.
- Independent adjustment of each output voltage utilizing 10-turn potentiometers with .05% resolution.
- Separate current limiting adjustment for each output.
- Separately adjustable overvoltage crowbars on each output. Overvoltage crowbars on 0-32V outputs trip simultaneously at the lower voltage trip setting of either source.
- Three taut band suspension dual range meters individually selectable for voltage or current of each source.
- A "FAULT" indicator lamp on each output signals overload, short circuit, crowbar trip or current limit operation.
- Automatic voltage tracking of the 0-32 VDC sources to  $\pm 0.1\%$  by means of a panel toggle switch. This switch is equipped with a locking lever to prevent accidental operation. Single potentiometer control of tracking outputs.
- Outputs may be shorted into each other in any polarity without damage.

### electrical specifications:

PARAMETER:	0-32V, 0-1A (each output)	0-6V, 0-5A
INPUT:	105-125V, 55-440 Hz, 200 w	
OUTPUT:	0-32 VDC, 0-1A	0-6V, 0-5A
LOAD REGULATION:	.01% +1 MV	.01% +5MV per amp
LINE REGULATION:	.01% +0.5 MV	.01% +0.5 MV
STABILITY:	*.02% +3 MV	*.02% +3 MV
RECOVERY TIME:	**50 $\mu$ s	**100 $\mu$ s
CURRENT LIMIT:	10-105% of rated current	0-105% of rated current
TEMPERATURE:	0-50°C	0-50°C
TEMP. COEFFICIENT:	.02% +300 $\mu$ V/°C	.02% +300 $\mu$ V/°C
OV CROWBAR:	adj. 5-40V	adj. 2.5-8V.
TRACKING:	.1% +5 MV by front panel switch	
SOURCE IMPEDANCE:	less than 1.0 ohm to 1 MHz	less than 1.0 ohm to 1 MHz
VOLTAGE CONTROLS:	10-turn potentiometers	single-turn potentiometer
FAULT INDICATORS:	lamp indicates short circuit and overload	lamp indicates short circuit and overload
METERING:	dual range volt/ammeter	dual range volt/ammeter

\*24 hours at constant, line, load and ambient temperature.  
\*\*To recover within 15 millivolts of nominal for a 10-100% load change.  
\*\*\* Both crowbars trip together independent of setting

### mechanical specifications:

DIMENSIONS: 8 $\frac{3}{4}$ " H x 7 $\frac{3}{4}$ " W x 13 $\frac{1}{2}$ " D.  
WEIGHT: 20 lbs.  
FINISH: Natural anodized aluminum etched panels blue vinyl enamel cabinet, with carrying handle.

### price:

**\$395.00**  
F.O.B. WESTBURY, N. Y.  
Price subject to change without notice.

POWER DESIGNS