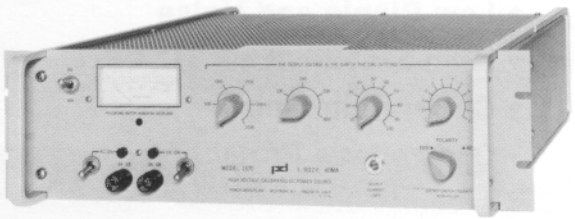
POWER DESIGNS

PRECISION CALIBRATED HIGH VOLTAGE POWER SOURCES

- **0.25% Calibration Accuracy**
- **Low Ripple & Noise**
- **High Stability/Low TC**
- **Overload Protection**



These calibrated laboratory high voltage DC power sources are ideally suited for applications requiring high stability, low noise and superior regulation. Output voltage control is achieved by means of a series of front panel mounted decade switches and a continuously adjustable calibrated vernier potentiometer control. Calibration accuracy is better than 0.25% of the dial settings above 250 volts and 1.0% below 250V.

Long term stability is better than .005% per hour; less than .02% per 24 hour period for all models except the 3K10B which is .01% per hour or .03% per 24 hour period.

Current limiting is provided which permits continuous operation into an overload or short circuit condition without damage to the power source. In addition the Models 3K10B, 2K100 and 3K75 feature overvoltage protection which acts to disable the high voltage output in the event of an internal or external malfunction.

Metering is provided by a dual scale analog meter which permits voltage or current monitoring on all models except the 3K10B.

Meter function is selected by a front panel mounted spring returned toggle switch. This switch is normally in the KV position to prevent damage to the meter in the event of an overcurrent or short circuit condition.

Two high voltage output connectors mounted on the rear of each unit are connected in parallel. A rear panel warning indicator lamp is illuminated when these connectors are energized with the exception of the Model 3K10B.

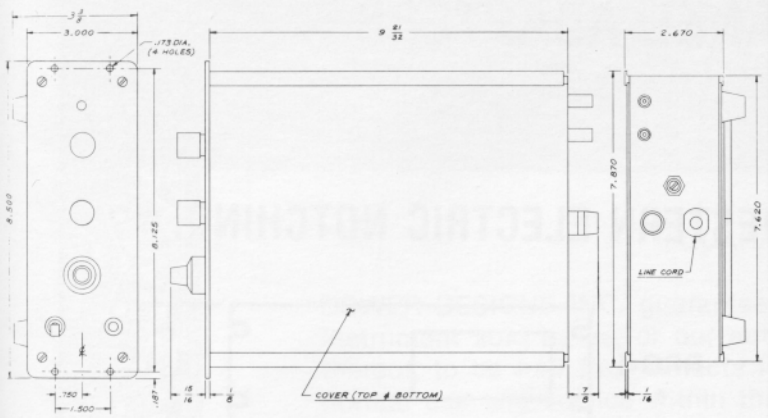
These power sources are designed for bench use, stacking or rack mounting. A tilting bail is provided on the Model 3K10B for ease of viewing when the unit is used on a bench. Rack panel adapters are available for the 3K10B.

ELECTRICAL SPECIFICATIONS:
Input (All Models): 105-125 VAC, 47-440 Hz
210-250 VAC,47-440 Hz available on most models.

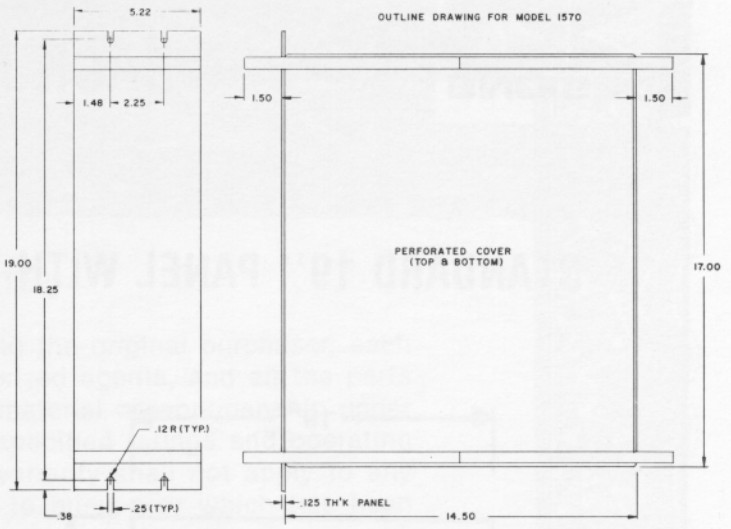
MODEL	OUTPUT		REGULATION	RIPPLE & NOISE	POLARITY	CASE SIZE
	VOLTAGE	CURRENT				
2K20A	1-2012V	0-20ma	.001%	1mv P-P	REVERSIBLE	E
3K10B	10-3000V	0-10ma	.001%	3mv P-P	REVERSIBLE	G
1570A	1-3012V	0-40ma	.001%	1mv P-P	REVERSIBLE	H
1556C	10-6012V	0-20ma	.001%	1mv P-P	REVERSIBLE	I
1543C	10-10,021V	0-10ma	.001%	5mv P-P	REVERSIBLE	J
2K100P	500-2012V	0-100ma	.001%	5mv P-P	POSITIVE	K
2K100N	500-2012V	0-100ma	.001%	5mv P-P	NEGATIVE	K
3K75P	500-3012V	0-75ma	.001%	5mv P-P	POSITIVE	K
3K75N	500-3012V	0-75ma	.001%	5mv P-P	NEGATIVE	K

CASE DIMENSIONS

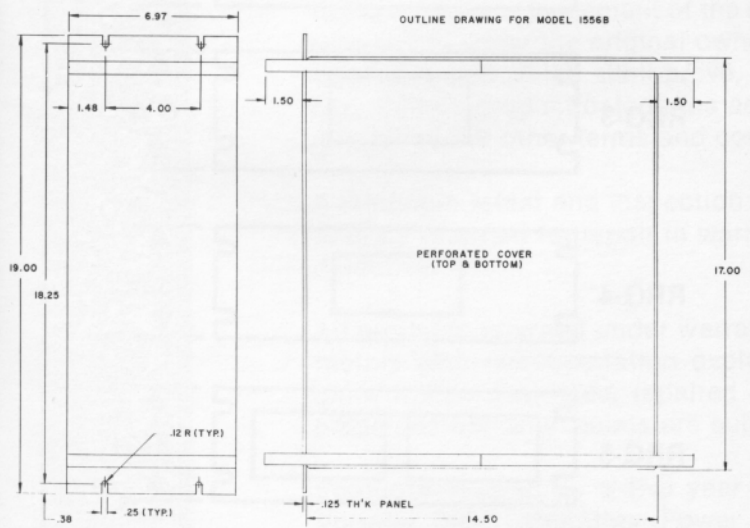
Case G



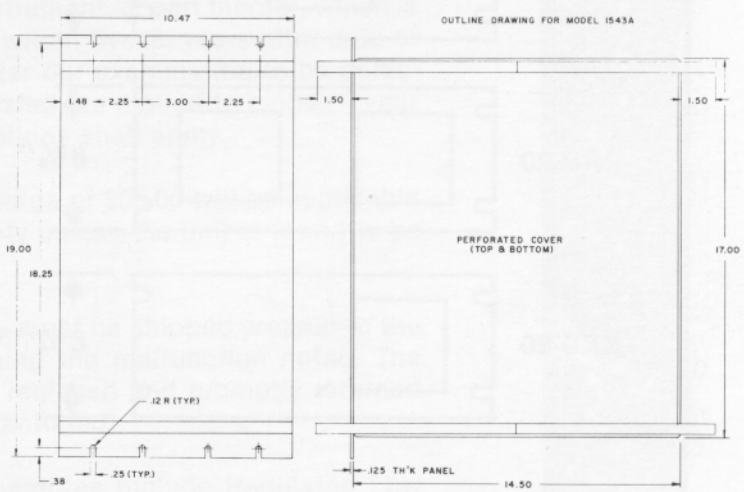
Case H



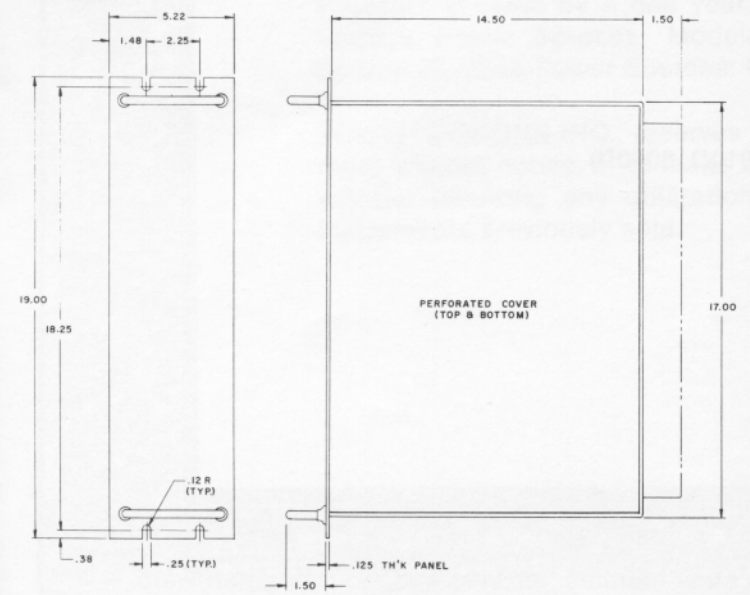
Case I



Case J



Case K



Case L