

## 1.2x50-12 1000:1 ACCURACY (FROM S/N: 430614)

TABLE.- 1

ACTUAL READINGS		
Meter (KV)	V 1000:1	V <sub>out scope</sub>
0.4	0.352	0.388
2	1.94	2.08
4	4.04	4.12
6	6.36	6.16
8	8.8	8.24
10	11.6	10.4
12	14.1	12.3

TABLE.- 2

READINGS ERROR %		
V1000:1 vs Meter	V1000:1 vs Vout	Vout vs Meter
-12.00%	-9.28%	-3.00%
-3.00%	-6.73%	4.00%
1.00%	-1.94%	3.00%
6.00%	3.25%	2.67%
10.00%	6.80%	3.00%
16.00%	11.54%	4.00%
17.50%	14.63%	2.50%

ACTUAL READINGS		
Meter (KV)	V 1000:1	V <sub>out scope</sub>
-0.4	-0.378	-0.396
-2	-1.96	-2.04
-4	-4.16	-4.16
-6	-6.44	-6.16
-8	-8.96	-8.32
-10	-11.6	-10.4
-12	-14.2	-12.4

READINGS ERROR %		
V1000:1 vs Meter	V1000:1 vs Vout	Vout vs Meter
-5.50%	-4.55%	-1.00%
-2.00%	-3.92%	2.00%
4.00%	0.00%	4.00%
7.33%	4.55%	2.67%
12.00%	7.69%	4.00%
16.00%	11.54%	4.00%
18.33%	14.52%	3.33%

**NOTES:**

- \* The 1000:1 Divider output of the 1.2x50-12 12Ohms has +/- 15% Accuracy.
- \* The last study of accuracy was better because of the tolerance for the components.
- \* This study might be a central or worst case condition for 1000:1 divider circuit.