High Accuracy
AC Reference Source
Model 515

- 0.1% Voltage Accuracy
- 0.001V Resolution
- Up to 15 VA Output Power
- 360Hz to 20kHz
- Hi Resolution Color Display
- Isolated Outputs
- USB Std/IEEE optional

The Model 515 High Accuracy Reference Generator fills a need for a relatively low cost and practical solution for supplying a reference excitation to typical LVDT and Synchro/Resolver transducers. The Model 515 has built-in load sensing which, in effect, yields “zero” output impedance and virtually eliminates the effects of fluctuating output loads. With up to 15 Watts of output power into loads with as much as 90º of phase shift, the Model 515 is ideally suited to driving inductive loads.

The unit features remote sensing, galvanically isolated outputs, overload protection and USB digital interface. IEEE control can be added as an option.

Soon to be available as an option, the Model 515 can be used as a high performance instrumentation power amplifier. A 1V input will yield a full scale output voltage with up to 15 VA output.

Frequency Range	360Hz to 20kHz			
Frequency Accuracy	±0.01%			
Output Voltage	1Vrms to 120Vrms			
Resolution	4 digits Voltage, 5 digits Frequency			
Amplitude Accuracy		360Hz to 2kHz	>2kHz to 5kHz	>5kHz to 20kHz
	1V to 8.000V	0.1% + 5mV	0.1% + 5mV	0.2% + 5mV
	8.001V to 16.00V	0.1% + 10mV	0.15% + 10mV	0.2% + 10mV
	16.01V to 32.00V	0.1% + 20mV	0.15% + 20mV	0.2% + 20mV
	32.01V to 120.0V	0.1% + 60mV	0.15% + 60mV	0.2% + 60mV
Output Power	1V to 8.000V	1.8A		
	8.001V to 16.00V	0.94A		
	16.01V to 32.00V	0.47A		
	30.01 to 120V	0.125A		
Harmonic Distortion	0.25%			

Display	High Resolution Color TFT
Size	Approximately 17.3" W x 3.5" H x 13" D
Temperature range	Operating: 0° to 40°C Within specification: 23° ±5°C
Weight	Approximately 13 pounds
Power supply	90 to 264V rms, 47 to 63Hz, 30VA max.
Warranty	1 year

Options: 01: Front and rear outputs 02: IEEE interface

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