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Tachometer Generator Simulator

We manufacture Tachometer Generator Simulator for US Air Force Bases and other military organizations.

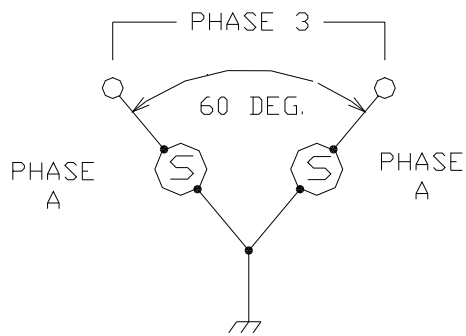
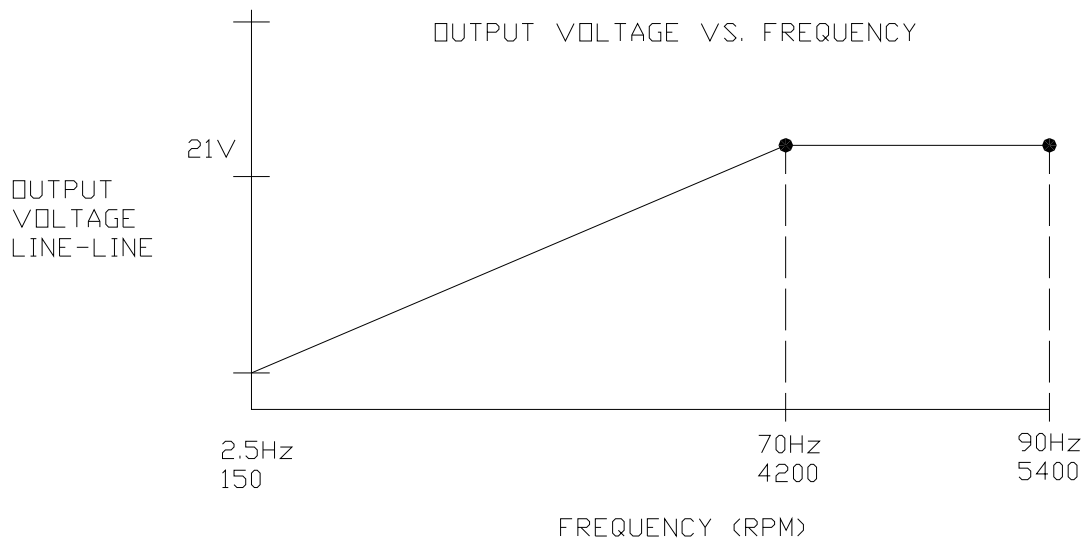
Model Number: AL-100-CV-2/TGS

The Model AL-100-CV-2 is a 3 phase power source with output frequencies and voltages that simulates the output of a mechanically driven tachometer generator. As such it may be used to test the operation of tachometer motors connected to it. The output frequency and voltage are simultaneously controlled by either a front panel control knob, or by an external DC voltage. A ramp voltage, for example, could be used to drive the output over its range. The output frequency of the unit is converted to revolutions-per-minute, and read directly on an LED panel indicator. This unit is intended for use in testing tachometers in accordance with aspects of MIL-G-9398C.

Specifications of model AL-100-CV-2/TGS Tachometer Generator Simulator

SPECIFICATIONS	
Output Circuit	3 Phase 3 wire, open delta (with phase C grounded)
Output Power	30VA/Phase, 90 VA total
Output Voltage	Linearly increases from .42 volts RMS approx. to 21 volts RMS approx. over frequency range of 2 Hz, and remains at 21 volts RMS approx. from 70 Hz thru 90 Hz
Rated Load	At 21 volts RMS: Three 15 ohm resistors connected in delta configuration. At 3.5 volts RMS: Three 7.5 ohm resistors connected in delta configuration
Load Regulation	Less than +/- 1% 0-full load
Frequency Range	2.0 Hz – 90 Hz
Frequency Adjustment	By front panel control, or by application of remote DC signal of 0-10 volts
Low Frequency Test	A front panel switch is provided to initiate a low frequency test wherein the output frequency is pre-set to 2.5 Hz and the output voltage is pre-set to 0.52 VRMS line to line.
Frequency Indication	Four digit digital freq. meter with 60 X freq. multiplier to provide direct reading in R. P. M.
Output Waveform	Sine-wave
Output Distortion	1%
Input Power	120 volts, 60 Hz
Size	5 1/4" high X 19" rack panel
Other Features	Output short circuit protection. Rear panel external control inputs
Typical Output Characteristics	Please see Curve below.

Typical Output Characteristics



OUTPUT CIRCUIT PHASE RELATIONSHIP PROVIDES 3 WIRE OPEN DELTA CONFIGURATION

Cost: \$7450.00 each for quantity of 1-4 units; \$6705.00 each for quantity of 5 to 10 units.

Standard Lead time – 6 weeks from receipt of order

Expedited Lead Time – 3 week from receipt of order (An additional 10% of expedited fee will be applied.)