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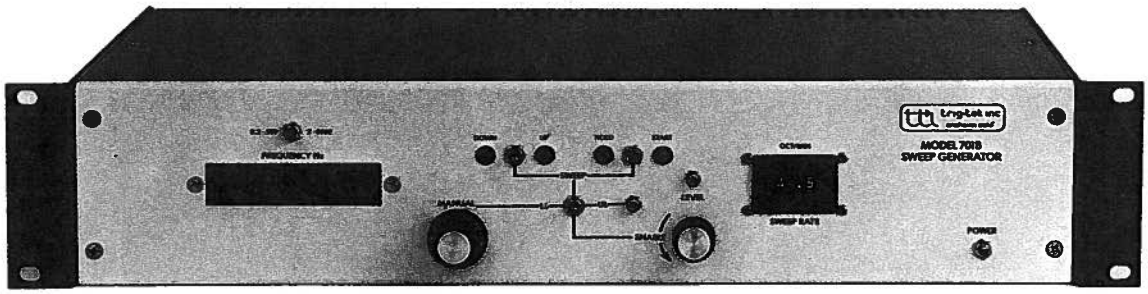
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Find the *EADS / Trig-Tek 701LM* at our website: *Click HERE*

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MODEL 701 SWEEP GENERATOR



- **Very Low Distortion Sine Wave Output**
- **Frequency Range 2 Hz to 5,000 Hz and 0.2 Hz to 500 Hz**
- **Linear and Log DC Frequency Outputs**
- **Level Interlock for LL - UL - SWEEP Control**
- **Front Panel Upper and Lower Sweep Limit Control**
- **Digital Freq. Read Out With 0.01 Hz Resolution**
- **Digit-Switch to set 0.1 to 9.9 Oct./Min. Sweep Rate**
- **Separate Chassis and Signal Grounds**

The **Trig-Tek, Inc.** Model 701B Sweep Generator is used as the exciter for a vibration control system. This sweep generator provides a sine wave output with very low distortion, and covers the frequency range from 0.2 Hz to 5,000 Hz. Frequency resolution of the front panel frequency indicator is 0.1 Hz on the 2 to 5,000 Hz range, and 0.01 Hz on the 0.2 to 500 Hz range. The frequency can be changed by either the MANUAL control, or by automatically sweeping across the frequency range. The upper limit (UL) is adjustable from the front panel by a screwdriver control; and, the lower limit is set by the MANUAL control. Linear and Log DC outputs of frequency through BNC connectors on the rear panel are provided. A rear terminal strip provides signal ground isolated from chassis ground, level interlock output contacts, and sweep hold contacts.

SPECIFICATIONS

GENERATOR OUTPUT

Level	0 to 5V rms
Impedance	50 ohms (10 mA max.)
Frequency Range X1	2 Hz to 5,000 Hz
X0.1	0.2 Hz to 500 Hz
Distortion	Less than 0.5%
Frequency Response	±0.3 dB
DC Offset	Less than 0±5 mV
Connector	Isolated BNC

DC OF FREQUENCY OUTPUT

	LOG	LIN
Sensitivity	10 V at full scale, 2.5 V/decade	10 Volts Full Scale
Impedance	50Ω (5 mA max.)	50Ω (5 mA max.)
Accuracy	Within 1 dB	0.5% of reading of 0.1% f.s.
Conformity	±0.5 dB (over 3 decades)	——
Linearity	——	±0.1% of full scale
Connector	BNC Isolated	BNC Isolated

CONTROLS

POWER—Switch	Turns power ON & OFF.
START/HOLD	Two position switch to start sweep or hold sweep.
DOWN/UP—Switch	Momentary return to center switch to change sweep direction.
LL-UL Switch	Three-position switch to select upper/lower limits or sweep. Interlocked in level control enable.
UL—Control	Multi-turn pot to set the upper sweep limit (screwdriver control) when selected.
MANUAL LL—Control	Multi-turn knob control with lock. To set lower sweep limit and for manual tuning when selected.
SWEEP RATE OCT/MIN—Switch	Selects from 0.1 to 9.9 octaves/minute sweep rate with ±5% accuracy from 1 to 9.9 and ±10% accuracy from 0.1 to 1.0.
LEVEL (Fine)	Screwdriver control to set the fullscale generator output between 0.1 and 5 V rms.
LEVEL—Control	Incorporates gain-up interlock and reduces output 70 dB below full output in counterclockwise position, contacts close when counterclockwise.
ENABLE	CCW detent on LEVEL control enables LL, UL or SWEEP when selected.

INDICATORS

FREQUENCY Hz (5 Digits)	Indicates output frequency with 0.1 Hz or 0.01 Hz resolution and 0.02% accuracy.
UP LED	Illuminates when in SWEEP mode and set to SWEEP UP.
DOWN LED	Illuminates when in SWEEP mode and set to SWEEP DOWN.
HOLD LED	Illuminates when in the SWEEP mode and HOLD SWEEP.
START LED	Illuminates when in SWEEP mode and sweeping.

DIMENSIONS

Width	19 in.	48.2 cm
Height	3.5 in.	8.9 cm
Depth	13 in.	33 cm
Weight	10 lb.	

POWER

110 V or 220 V ±10% rms
50 to 400 Hz
Less than 8 W

NOTE: Model 701LM provides additional linear sweep from 1 to 99 Hz/sec High Band and 0.1-9.9 Hz/sec Low Band plus single and continuous sweep.

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