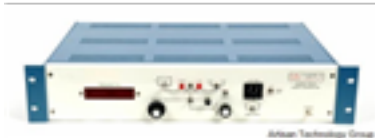


Trig-Tek 701LM
Sweep Generator



In Stock

Used and in Excellent Condition

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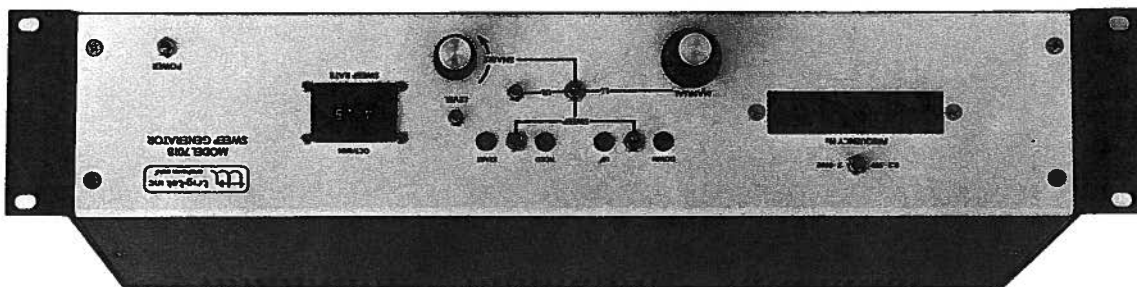
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MODEL 701 SWEEP GENERATOR

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- ☒ 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

- ☒ 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

SPECIFICATIONS

GENERATOR OUTPUT

Level
Impedance
Frequency Range X1
X0.1
Distortion
Frequency Response
DC Offset
Connector

0 to 5V rms
50 ohms (10 mA max.)
2 Hz to 5,000 Hz
0.2 Hz to 500 Hz
Less than 0.5%
 ± 0.3 dB
Less than 0 ± 5 mV
Isolated BNC

DC OF FREQUENCY OUTPUT

LOG
LIN
Sensitivity
Impedance
Accuracy
Conformity
Linearity
Connector

10 V at full scale, 2.5 V/decade
50 Ω (5 mA max.)
Within 1 dB
 ± 0.5 dB (over 3 decades)
—
 $\pm 0.1\%$ of full scale
BNC isolated
BNC isolated

CONTROLS

POWER—Switch
START/HOLD
DOWN/UP—Switch
LL-UL Switch
UL—Control
MANUAL LL—Control

Turns power ON & OFF.
Two position switch to start sweep or hold sweep.
Momentary return to center switch to change sweep direction.
Three-position switch to select upper/lower limits or sweep, interlocked in level control enable.
Multi-turn pot to set the upper sweep limit (screwdriver control) when selected.
Multi-turn knob control with lock. To set lower sweep limit and for manual tuning when selected.

DIMENSIONS

Width
Height
Depth
Weight

19 in.
3.5 in.
13 in.
10 lb.

48.2 cm
8.9 cm
33 cm
4.5 kg

POWER

rms
Less than 8 W
50 to 400 Hz
110 V or 220 V $\pm 10\%$

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.

INDICATORS

FREQUENCY HZ
(5 Digits)

UP LED
DOWN LED
HOLD LED
START LED

Illuminates when in SWEEP mode and set to SWEEP UP.
Illuminates when in SWEEP mode and set to SWEEP DOWN.
Illuminates when in the SWEEP mode and HOLD SWEEP.
Illuminates when in SWEEP mode and sweeping.

ENABLE

CGW detent on LEVEL control enables LL, UL or SWEEP when selected.

LEVEL—Control

LEVEL (Fine)
SWEEP RATE
OCT/MIN—Switch

Screwdriver control to set the fullscale generator output between 0.1 and 5 V rms.
Incorporates gain-up interlock and reduces output 70 dB below full output in counterclockwise position, contacts close when counterclockwise.
CGW detent on LEVEL control enables LL, UL or SWEEP when selected.

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