



## Artisan Technology Group is your source for quality new and certified-used/pre-owned equipment

- FAST SHIPPING AND DELIVERY
- TENS OF THOUSANDS OF IN-STOCK ITEMS
- EQUIPMENT DEMOS
- HUNDREDS OF MANUFACTURERS SUPPORTED
- LEASING/MONTHLY RENTALS
- ITAR CERTIFIED SECURE ASSET SOLUTIONS

### SERVICE CENTER REPAIRS

Experienced engineers and technicians on staff at our full-service, in-house repair center

### *InstraView*<sup>SM</sup> REMOTE INSPECTION

Remotely inspect equipment before purchasing with our interactive website at [www.instraview.com](http://www.instraview.com) ↗

### WE BUY USED EQUIPMENT

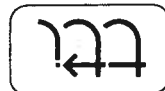
Sell your excess, underutilized, and idle used equipment. We also offer credit for buy-backs and trade-ins. [www.artisanng.com/WeBuyEquipment](http://www.artisanng.com/WeBuyEquipment) ↗

### LOOKING FOR MORE INFORMATION?

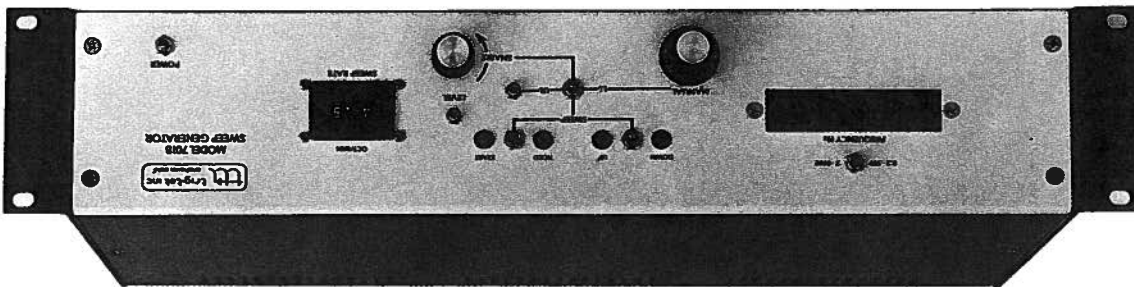
Visit us on the web at [www.artisanng.com](http://www.artisanng.com) ↗ for more information on price quotations, drivers, technical specifications, manuals, and documentation

**Contact us:** (888) 88-SOURCE | [sales@artisanng.com](mailto:sales@artisanng.com) | [www.artisanng.com](http://www.artisanng.com)

# MODEL 701 SWEEP GENERATOR



Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisanTG.com



- 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

- 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

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

## SPECIFICATIONS

### GENERATOR OUTPUT

Level	0 to 5V rms
Impedance	50 ohms (10 mA max.)
Frequency Range X1	2 Hz to 5,000 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

Sensitivity	10 V at full scale, 2.5 V/decade
Impedance	50Ω (5 mA max.)
Accuracy	Within 1 dB
Conformity	±0.5 dB (over 3 decades)
Linearity	—
Connector	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.

## DIMENSIONS

Width	19 in.
Height	3.5 in.
Depth	13 in.
Weight	10 lb.

## INDICATORS

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 SWEEP mode and HOLD SWEEP.
START LED	Illuminates when in SWEEP mode and sweeping.

## ENABLE

LEVEL—Control  
LEVEL (Fine)  
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. 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.

## 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.



## Artisan Technology Group is your source for quality new and certified-used/pre-owned equipment

- FAST SHIPPING AND DELIVERY
- TENS OF THOUSANDS OF IN-STOCK ITEMS
- EQUIPMENT DEMOS
- HUNDREDS OF MANUFACTURERS SUPPORTED
- LEASING/MONTHLY RENTALS
- ITAR CERTIFIED SECURE ASSET SOLUTIONS

### SERVICE CENTER REPAIRS

Experienced engineers and technicians on staff at our full-service, in-house repair center

### *InstraView*<sup>SM</sup> REMOTE INSPECTION

Remotely inspect equipment before purchasing with our interactive website at [www.instraview.com](http://www.instraview.com) ↗

### WE BUY USED EQUIPMENT

Sell your excess, underutilized, and idle used equipment. We also offer credit for buy-backs and trade-ins. [www.artisanng.com/WeBuyEquipment](http://www.artisanng.com/WeBuyEquipment) ↗

### LOOKING FOR MORE INFORMATION?

Visit us on the web at [www.artisanng.com](http://www.artisanng.com) ↗ for more information on price quotations, drivers, technical specifications, manuals, and documentation

**Contact us:** (888) 88-SOURCE | [sales@artisanng.com](mailto:sales@artisanng.com) | [www.artisanng.com](http://www.artisanng.com)