

INTRODUCTION

The **B & K-PRECISION** Model 3010 Function Generator is a versatile signal source that can be used in a variety of engineering, industrial, educational and hobbyist applications. The wide frequency range (.1 Hz to 1 MHz) for all functions (sine, square, triangle and TTL output) encompasses subaudible, audio, ultrasonic and RF applications. The continuously variable DC offset control and provision for external VCO control further enhance the versatility of this instrument. The human-engineered case lends itself to bench use as well as easy portability.

SPECIFICATIONS

GENERAL

Basic Outputs	Square, sine, triangle, DC and TTL Square Wave (separate output jack).
Frequency Range	0.1 Hz to 1 MHz in six ranges.
External Frequency Control	VCO; greater than 100:1 on any frequency range (linear). With FREQUENCY dial set at .1, a 0-to-5.5 V ramp input will produce a 100:1 frequency change. Frequency increases with positive voltage.
Maximum Input	± 20 V peak.
Input Impedance	1000 ohms, nominal.

SPECIFICATIONS (All specifications apply with dial scale between 1 and 10)

Dial Accuracy	5% of full scale to 500 kHz, 8% of full scale from 500 kHz to 1 MHz (includes dial scale accuracy and range-to-range accuracy). Unit calibrated at full scale.
Dial Range	Greater than 100:1.
Output Impedance	600 Ω , $\pm 5\%$.
Output Amplitude	20 V p-p open circuit; 10 V p-p into 600 Ω .
Amplitude Control	Continuously variable, greater than 30 dB range.