

Data sheet

10 MHz Pulse Generator with 4-Digit LED Display

Model 4030

The B&K Precision Model 4030 is a versatile signal source which combines four functions into one unit – waveform generation, pulse generation (through variable symmetry), frequency sweep operation, and triggered operation. The 4030 offers low rise and fall time pulsed signals up to 10MHz to meet many test and measurement applications.

Applications

With this versatility, it has a vast number of applications in both analog and digital electronics in the engineering, manufacturing, servicing, educational, and hobbyist fields.



Specifications

Frequency Range

Internal	0.1 Hz to 10 MHz in 8 decade ranges & variable X'Tal Spot freq.: 1 Hz, 10 Hz, 100 Hz, 1 KHz, 10 KHz, 100 KHz, 1 MHz, 10 MHz.
Rate	100 ns – 0.1s

Triggering

Internal	0.1 Hz to 10 MHz
External	10 Hz to 10 MHz
Manual	1 pulse per sec (*for 10 MHz rate only)
Ext. Trig-Input	+1 V to +10 V p-p sine & square waveform
Width	50 ns - 50 ms (6 decade ranges & variable)
Delay	0-2 uS variable w.r.t. trigger
Output Polarity	Normal/Inverting

Output

Main Out	1 V - 10 V (open circuit)
Pulse Out	0.5 V - 5 V at 50 Ω
Impedance	50 Ω
Rise & Fall Time	10 ns approximately
Output Terminal	BNC Connector

Power Supply

Voltage	115/230 V AC +10%, 50/60 Hz
Consumption	10 VA

Dimensions (WxHxD)	11" x 3.7" x 12.2"
Weight	5.1 Lbs

*Manual trigger available for 10 MHz (100 ns) rate only. Not available with any other rate settings.