

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.



Specifications

Model	4030
Frequency Range	
Internal	0.1 Hz to 10 MHz in 8 decade ranges & variable
Crystal Tal Spot frequencies	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) *Manual trigger available for 10 MHz (100 ns) rate only. Not available with any other rate settings.
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 typical	1 V - 10 V (open circuit)
Pulse Out typical	0.5 V - 5 V at 50 Ω
Impedance	50 Ω
Rise & Fall Time	10 ns approximately
Output Terminal	BNC Connector
General	
AC Input	115/230 V AC +10%, 50/60 Hz
Consumption	10 VA
Dimensions (WxHxD)	10.3" x 4.4" x 12.4" (26.2 x 11.2 x 31.5 cm)
Weight	5.5 Lbs (2.5 kg)
One-Year Warranty	
Included Accessories	Power cord, instruction manual, and BNC to alligator clip cable

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.

Features and Benefits

- Adjustable frequency range from 0.1 Hz to 10 MHz
- Four digit LED frequency display
- Invertible polarity
- Single pulsed output via manual trigger