

# BK Precision Oscilloscope

*Part No. 01BK2120*[Back to Oscilloscope Main Page](#)

Specifications		model 2120B	
<b>VERTICAL AMPLIFIERS (CH 1 and CH 2)</b>			
Sensitivity	5 mV/div to 5 V/div, 1 mV/div to 1 V/div at X5		
Attenuator	10 steps in 1-2-5 sequence. Vernier control provides full adjustment between steps.		
Accuracy	+-3%, +-5% at X5		
Input Resistance	1 M $\Omega$ +- 2%		
Input Capacitance	25 pF +- 10pF		
Frequency Response	5 mV to 5 V/div: DC to 30 MHz (-3 dB). X5: DC to 10 MHz (-3 dB)		
Rise Time	12 ns (Overshoot <= 5%)		
Operating Modes	CH 1: CH 1, single trace		
CH 2	CH 2, single trace		
ALT	dual trace, alternating		
CHOP	dual trace, chopped		
ADD	algebraic sum of CH 1 + CH 2		
Polarity Reversal	CH 2 only		
Maximum Input Voltage	400 V (DC + AC peak)		
<b>SWEEP SYSTEM</b>			
Sweep Speed	0.1 us/div to 2s/div in 1-2-5 sequence, 23 steps. Vernier control provides fully adjustable sweep time between steps.		
Accuracy	+-3%		
Sweep Magnification	10x		
<b>TRIGGERING</b>			
Triggering Modes	AUTO (free run) or NORM, TV-V, TV-H		
Trigger Source	CH 1, CH 2, ALT, EXT, LINE		
Maximum External Trigger Voltage	300 V (DC + AC peak)		
Trigger Coupling	AC 30 Hz to 30 MHz		
TV H	Used for triggering from horizontal sync pulses		
TV V	Used for triggering from vertical sync pulses		
<b>TRIGGER SENSITIVITY</b>			
Coupling	Bandwidth	Int	Ext
Auto	100 Hz - 30 MHz	1.5 div.	100 mV
Norm	DC to 30 MHz	1.5 div	100 mV
TV V	20 Hz-1 kHz	5 div	100 mV

TV H	1 kHz-100 kHz	.5 div	100 mV
<b>HORIZONTAL AMPLIFIER (Input through channel 2 input)</b>			
X-Y Mode	Switch selectable using X-Y switch. CH 1: X axis		
CH 2	Y axis		
Sensitivity	Same as vertical channel 1		
Input Impedance	Same as vertical channel 1		
Frequency Response	DC to 1 MHz typical (-3 dB)		
X-Y Phase Difference	Approximately 3" at 50 kHz		
Maximum Input Voltage	Same as vertical channel 1		
<b>CRT</b>			
Type	Rectangular with internal graticule		
Display Area	8x10 div (1 div = 1 cm)		
Accelerating Voltage	2 kV		
Phosphor	P31		
Trace Rotation	Electrical, front panel adjustable		
<b>Other Specifications</b>			
Calibrating Voltage	1 kHz (+-10%) Positive Square Wave, 2 V p-p (+-3%)		
<b>ENVIRONMENT</b>			
Within Specified Accuracy	50 ° to 95 ° F (10 ° to 35 ° C), <= 85% RH		
Full Operation	32 ° to 104 ° F (0 ° to 40 ° C), <=85% RH		
Storage	-4 ° to 158 ° F (-20 ° to +70 ° C)		
Power Requirements	100/120/220/240 VAC +- 10%, 50/60 Hz, approximately 40 W.		
Dimensions (WxHxD)	7x14.5x17.25" (180 x 370 x 440 mm)		
Weight	Approximately 17.2 lbs. (7.8 kg)		
<b>Two Year Warranty</b>			
<b>Accessories</b>			
<p>SUPPLIED: Instruction Manual, Two PR-33A x1/x10 Probes or equivalent, AC Power Cord, Spare Fuse  OPTIONAL: PR-32A Demodulator Probe, PR-37A x1/x10/REE Probe, PR-100A x 100 Probe, PR-55 High Voltage x1000 Probe, LC-210A Carrying Case</p>			