

BK Precision 60 MHz Oscilloscope

Part No. 01BK2160

Back to [Oscilloscope](#) Main Page

Specifications	model 2160A
VERTICAL AMPLIFIERS (CH 1 and 2)	
Sensitivity	5mV/div to 1V/div x 5mag
Attenuator	1-2-5 sequence, plus x 5 gain step. Vernier control provide fully adjustable sensitivity between steps range 1/1 to at least 1/2.5
Accuracy	+/-3%, 5mV to 5V/div; +/-5%, 1 mV, 2mV/div
Input Impedance	1M Ω +/-2%
Input Capacitance	25 pF +/-10%
Frequency Response	DC to 60 MHz
Rise Time	5.8ns (Overshoot <= 5%)
Operating Modes	CH1, CH2, Dual, Alternate Chop
Polarity Reversal	CH 2 invert
Maximum Input Voltage	400V (DC + AC Peak), 800 VAC p-p
SWEEP SYSTEM	
Sweep Display Modes	Main, Mix, Delay
Hold Off Time	5:1 continuously variable
Main Sweep	
Sweep Speed	0.1us/div. to 2.0s/div. in 1-2-5 sequence, 23 steps
Accuracy	+/-3%
Variable Time Control	5:1, uncalibrated, continuously variable between steps
Sweep Magnification	10 x, +/-10%, extended sweep speed up to 10ns/div
Delay Sweep	
Sweep Speed	0.1us/div. to 2.0s/div. in 1-2-5 sequence, 23 steps
Accuracy	+/-3%
Sweep Magnification	10 x, +/-10%, extended sweep speed up to 10ns/div
Delay Time Position	Variable control to locate desirable waveform for extending
Triggering	
Trigger Coupling	AUTO, NORM, TV-V, TV-H
Trigger Source	CH1, CH2, ALT, EXT, LINE
Slope	+/-
HORIZONTAL AMPLIFIER	
(Input through channel 2 input)	
X-Y Mode	CH 1: Y axis. CH 2: X axis
Sensitivity	Same as vertical channel 2
Accuracy	+/-3%, Y axis: +/-5% X axis
Input Impedance	Same as vertical channel 2
Frequency Response	DC: DC to 1 MHz (-3 dB). AC: 5 Hz to 2 MHz (-3 dB)
X-Y Phase Difference	3 ^o at 50 kHz
Maximum Input Voltage	Same as vertical channel 2

CH 2 Output (on rear panel)	
Output Voltage	50 mV/div (nominal into 50Ω load)
Output Impedance	Approximately 50 Ω
Frequency Response	20Hz to 60MHz, -3dB into 50V
CRT	
Type	6-inch rectangular with internal graticule
Display Area	8x10div (1 div = 1 cm)
Accelerating Voltage	12k
Phospor	P31
Scale Illumination	Continuously variable
Trace Rotation	Electrical, front panel adjustable
COMPONENT TESTER	
Components Tested	Resistors, capacitors, inductors, and semiconductors
Test Voltage	6V rms maximum (open)
Test Current	11 mA maximum (shorted)
Test Frequency	Line frequency (60 Hz in USA)
Other Specifications	
Cal/Probe Compensation Voltage	2.0V p-p +-2% square wave, 1 kHz nominal
Sweep Output	TTL level allows synchronization of external equipment with scope sweep
Intensity Modulation	
Input Signal	TTL level, intensity increasing with more negative levels
Input Impedance	Approx. 1kΩ
Usable Freq. Range	DC to 5MHz
Maximum Input Voltage	5V (DC + AC peak)
Environment	
Within Specified Accuracy	50 ° to 95 ° F (10 ° to 35 ° C), 85% maximum RH
Full Operation	32 ° to 122 ° F (0 ° to +50 ° C), 10 - 80% RH
Storage	-22 ° to 158 ° F (-30 ° to +70 ° C), 10-90% RH
Power Requirements	110/120/220/240 V +- 10%, 50/60 Hz
Dimensions (HxWxD)	12.76 x 15.68x5.2" (324x398x132 mm)
Weight	16.75 lbs. (7.6 kg)
Three Year Warranty	
Accessories	
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-100Ax100 Probe, PR-55 High Voltage x1000 Probe, LC-210A Carrying Case	