Data Sheet

60 MHz Analog Oscilloscope with Probes

Model 2160A

 $B\&K\ Precision's\ model\ 2\,1\,60A$ is a high performance oscilloscope with many features at a low cost. The model 2160A includes a built in component tester, which is an excellent tool for in circuit troubleshooting. This oscilloscope is built by and backed by B&K Precision, a company that has been selling reliable, durable, value priced test instruments for over 50 years.

- 5mV/div sensitivity
- 23 calibrated ranges (main time base)
- 23 calibrated ranges (delayed time base)
- Signal delay time
- Component tester
- Z axis input
- Single sweep
- cUL certified





1S mode
2160A
(CH I and 2)
5 mV/ 5 V/div, 1 mV/div to 1 V/div (X5 MAG)
1-2-5 sequence, plus x 5 gain step, Vernier control provice
fully adjustable sensitivity between steps range 1/1 to
at least 1/2.5
±3%, 5 mV to 5 V/div; ±5%, 1 mV, 2 mV/div
I MΩ ±2%
25 pF±10%
DC to 60 MHz (5 mV/div to 5 V/div),
DC to 15 MHz (X5 MAG)
5.8 ns (Overshoot ≤5%)
CH1, CH2, Dual, Alternate Chop
CH 2 invert
400V (DC + AC peak)
Main, Mix, Delay, XY
5:1 continuously variable
0.1\(\mu s\)/div. to 2.0s/div. in 1-2-5 sequence, 23 steps \(\pm \text{3}\)%
5:1,uncalibrated, continuously variable between steps
10 x , $\pm 10\%$, extended sweep speed up to 10 ns/div
0.1 μs/div. to 2.0 s/div. in 1-2-5 sequence, 23 steps
±3%
10 x , $\pm 10\%$, extended sweep speed up to 10 ns/div
Variable control to locate desirable waveform for extending
AUTO, NORM, TV-V, TV-H
CH1, CH2, ALT, EXT. LINE
+/-
T.D.
ER .
CH L V CH 2 V .
CH 1: X axis. CH 2: Y axis
Same as vertical channel 2
Same as vertical channel 2
DC: DC to 1MHz (-3 dB). AC: 5 Hz or 2 MHz (-3 dB) 3 or less at 50 kHz

Output Voltage	50 mV/div (nominal into 50 Ω load)
Output Impedance	Approximately 50 Ω
Frequency Response	20 Hz to 60 MHz, -3 dB into 50 V
CRT	
Туре	6-inch rectangular with internal graticule
Display Area	8 x 10 div (1 div = 1 cm)
Accelerating Voltage	12 kV
Phosphor	P31
Scale Illumination	Continuously variable
Trace Rotation	Electrical, front panel adjustable
COMPONENT TESTE Components Tested	Resistors, capacitors, inductors, and semiconductors
Test Voltage	6 V rms maximum (open)
Test Current	I I mA maximum (shorted)
rest current	

Test Frequency	Line frequency (60 Hz in USA)
Other Specification	ons
Cal/Probe	
Compensation Voltage	2.0 V p-p ±3% square wave, 1 kHz nominal
Sweep Output	TTL level allows synchronization of external equipment
	with scope sweep
ntensity Modulation	
Input Signal	TTL level, intensity increasing with more positive levels
Input Impedance	50 kΩ
Usable Freq. Range	DC to 5 MHz
Maximum Input Voltage	30 V (DC + AC peak)
Environment	
Within Specified Accuracy	50° to 95°F (10° to 35°C), 10-80% 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 (H x W x D)	12.76 x 15.68 x 5.2" (324 x 398 x 132mm)
Weight	16.75 lbs. (7.6kg)
	Three Year Warran

Accessories

Supplied: Instruction Manual, Two PR 33A x1/x10 Probes or equivalent,

AC Power Cord, Spare Fuse

Optional: PR 32A Demodulator Probe, PR 37AG x1/x10/REF. Probe, PR 100A x100 Probe, PR-55 High Voltage x1000 Probe, LC 210A Carrying Case





