

SPECIFICATIONS

● ANALOG

Inputs:	Two, differential
Input Coupling:	AC/DC/GND
Input Impedance:	1Megohm/47pf
Input Range (FS):	$\pm 100\text{mV}$ to $\pm 40\text{V}$
Safe Overload:	
$\pm 10\text{V}$ to $\pm 40\text{V}$ Range:	400V
$\pm 1\text{V}$ to $\pm 100\text{mV}$ Range:	300V
Analog Bandwidth:	
$\pm 1\text{V}$ to $\pm 40\text{V}$ Range:	300 kHz
$\pm 100\text{mV}$ to $\pm 400\text{mV}$ Range:	150 kHz
Common Mode Rejection Ratio:	90db
Common Mode Voltage Range:	225% F.S.
Noise, RMS:	0.03% F.S.
Linearity:	0.1% F.S.
Accuracy:	0.25% F.S.
Crosstalk:	Less than -60dB (Note 1)

● DIGITAL

ADC Resolution:	12 bits
Differential Nonlinearity:	$\pm 1/2$ LSB
Channel Sampling:	Simultaneous
Maximum Sampling Rate:	1 μsec /point (1MHz)
Minimum Sampling Rate:	200sec/point
Sampling Time Uncertainty:	+1ns at 1MHz
Display Memory:	4,000 pts/ch., 12 bits
Buffer Memory:	4,000 pts/ch., 12 bits

Note 1: ChA & ChB inputs must be within the range of the ADC.

● MATH FUNCTIONS

Data Move:	YT vertical shift and superimpose. XY vertical and horizontal shift.
Subtraction:	Subtracts Ch. B from Ch. A, Ch. A from Ch. A saved, Ch. B from Ch. B saved.

● OUTPUTS

Pen Recorder:	XY or YT, 0-5V nominal.
Digital:	RS-232C, up to 19,200 baud.

● PHYSICAL CHARACTERISTICS

Overall Dimensions:	37cm (W) x 13cm (H) x 43cm (D)
Weight:	18 lbs. (8.2kg)

● POWER REQUIREMENTS

Line Voltage:	115 or 220 VAC, +14% to -20%, single phase.
Line Frequency:	47 to 440Hz
Power Consumption:	Less than 85 watts.

● TRIGGER

Modes:	Auto or Normal
Source:	Ch A, Ch B or External
Slope:	+, -, Dual
Coupling:	AC or DC
Pre-trigger Delay:	Cursor selected up to 100% sweep time.

● DISPLAY

CRT:	6-inch, high definition.
Expansion:	Cursor selected up to x60, both axes.
Modes:	YT, XY or Roll
Autocenter:	Automatic lock or cursor to data, (unexpanded). Automatic data centering, (expanded).

● NUMERICS (CURSOR-INTERACTIVE)

YT Mode:	Time and voltage plus Ch. number.
XY Mode:	Volts and volts plus Ch. numbers.
Normal:	Absolute, relative to time and digital zero.
Reset:	Relative to user-assigned origin.
Grid:	Scaled per grid mark.

● BUBBLE MEMORY OPTION

Type:	Magnetic Bubble Cassette
Capacity:	256K bits (Five 4K x 12-bit waveforms)
Access Time:	Initial search, 3.1 sec. max. Second or later, 15 msec. max.
Read/Write Time:	0.48 sec. min, 0.56 sec. max.
Write Protect:	Manual
Physical Size:	4.3cm (W) x 1.3cm (H) x 5.8cm (D)

Note: This option mounts in the same area as the Remote Control Option.

● REMOTE CONTROL OPTION

Input Signals:	RS232, Select, Live and Store
Output Signals:	Hold and Hold

Note: This option mounts in the same area as the Bubble Memory Option.