SPECIFICATIONS

- **ANALOG**

  Inputs: Two, differential
  Input Coupling: AC/DC/GND
  Input Impedance: 1Megohm/47pf
  Input Range (FS): ±100mV to ±40V
  Safe Overload: ±10V to ±40V Range: 400V
                  ±1V to ±100 mV Range: 300V
  Analog Bandwidth: ±1V to ±40V Range: 300 kHz
                    ±100mV to ±400mV 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: ±1/2 LSB
  Channel Sampling: Simultaneous
  Maximum Sampling Rate: 1μsec/point (1MHz)
  Minimum Sampling Rate: 20μsec/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, 0.6V 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.