

CM2125 SPECIFICATIONS:

Outputs:

Bandwidth: 125 MHz
Horizontal pixel resolution: 80 - 2048 pixels
Vertical pixel resolution: 80 - 2048 pixels
Horizontal scan frequency: 10 - 250 KHz
Vertical scan frequency: 10 - 250 Hz
Output amplitude: TTL, analog, or ECL
Mode selection: Interlaced or non-interlaced
Gun selection: RGB
Sync adder: RGB
Polarity selection: Video, H-Sync, V-Sync

Sync Timing:

The CM2125 recognizes common computer monitor formats and automatically adjusts for the correct sync, back porch, and front porch timing.

Sync timing parameters can be changed through the front panel.

Memory:

70 computer monitor setup storage locations (42 preprogrammed).

Video Patterns:

Raster	Dots	Circle/Crosshatch
Color Bars	Multiburst	Staircase
Text	Window	Windows

Drive Signals:

Signal at zero: Less than 3% of full range

Output at full level:

3 V range: 3 VPP, ± 0.5 V into 100 ohms

30 V range: 30 VPP, ± 5 V into 100 ohms

300 V range: 300 VPP, ± 50 V into 10,000 ohms

Clipping: None up to 250 VPP typical

Protection from externally applied voltage: ± 500 V (DC + peak AC)

Floating ground (-) Isolated by ± 500 V (DC + peak AC)

External VPP:

3 ranges (auto-ranged): 0.0 - 19.9VPP, 20 - 199 VPP, 200 - 1999 VPP

Accuracy: (All) $\pm 1\%$, ± 2 counts

Frequency response: 0 - 200 V, 30 Hz to 5 MHz, ± 1 dB from the average value across the band

Input impedance: 15 Megohm

External VDC:

3 ranges (auto-ranged): 00.00 - 19.99 V DC, 20.0 - 199.9 V DC, 200 - 1999 V DC

Accuracy: (All) $\pm .2\%$, ± 2 counts

Input Impedance: (Without probe) 15 Megohm

Meter Protection:

2000 V DC (DC + peak AC), across the inputs. Maximum voltage between (-) lead and ground: 1500 (DC + peak AC)

Ringing Test:

Dynamic test of coil Q determined by counting the number of ringing cycles before reaching a preset damping point. The preset damping point is set at 25% of the excitation pulse. The number of cycles is displayed on the digital display and continually updated.

General:

Digital meters: 3 ½ digit, LCD readout Digital display: LCD readout

Guaranteed operating temperature: 15-35 degrees C

Size: 6" x 12" x 14.3" (HWD)

Power: 105-125 VAC, 60 Hz, 140 w max.

Supplied Accessories:

Test lead, BNC to EZ hook probes

Test lead, 72" banana-probe, red

Test lead, 72" banana-alligator, black

Optional Accessories:

Extension Cable

BNC Cable

Universal Connector (Adapts to match any computer type)

Connector #1 (CGA, MDA, Hercules)

Connector #2 (EGA)

Connector #3 (PGC)

Connector #4A (VGA, PS/2, SVGA, XGA)

Connector #6 (BNC Input)

Connector #7 (13 W3)

Connector #8 & 8F* (Apple/MAC) * Monitor with male input connection.

ECL Adapter (ECL Monitors)

IB72 IEEE-488 Interface Accessory

IB78 RS232 Interface Accessory

PC263 Protective Cover

HP200 50 kV High Voltage Probe

TP212 10 kV Transient Protector Probe