

HP 13279B 19" Color Monitor



Features:

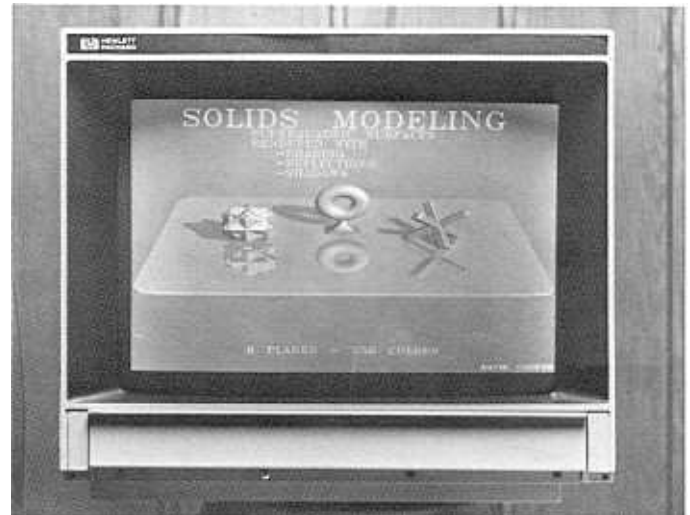
- Precision In-Line (PIL) CRT technology
- Selectable Horizontal Scan Frequency
- High Density Shadow Mask CRT
- Preset Calibration Control

Description

The 13279B is a high-quality 19-inch color display monitor designed for video output of computer generated information. The product, utilizing raster scan display technology, finds numerous applications in CAD/CAM, general graphics display, process control and computer imaging.

Featuring a shadow masked CRT and Precision In-Line (PIL) display technology, the 13279B produces a crisp, easy to view image. These features also minimize the need for periodic convergence adjustments. The wideband video amplifier circuitry accepts horizontal scan frequencies from 15.75 KHz through 36.75 KHz in three eight-kilo hertz jumper selectable scan ranges. In addition, the unit may be operated in either interlaced or non-interlaced scan modes.

Three RGB color inputs are provided which accept either EIA RS-170 or high resolution EIA RS-343 composite video signals. A separate sync signal input is also provided which allows non-composite RGB video inputs and composite sync from a separate line. Input impedances are switch selectable between 75 ohms and high impedance. The high impedance capability allows multiple monitors used in a loop-through mode. The standard model is equipped with P22 phosphor while a longer persistence, A22, phosphor is available. One of the many operator conveniences are the preset Contrast and Brightness controls. These controls can be used in manual or automatic mode to give the viewer the best quality picture.



PRODUCT SPECIFICATIONS

VISUAL PERFORMANCE

RESOLUTION: 1080 Horiz. x 809 vert. pixels
PITCH: 0.012 in. (0.31mm)
BRIGHTNESS: P22 Phosphor - 9.37 fl (nom.)
A22 Phosphor -13.07 fl (nom.)
PHOSPHOR: P22 Short persistence
A22 Long persistence

CIRCUIT PERFORMANCE

VIDEO BANDWIDTH: 100 Hz to 40 MHz @ - 3 dB
PULSE RESPONSE: Rise time: 8.5 nanoseconds
Fall time: 13 nanoseconds
SCAN RATE: 15-37 KHz interlaced or non-interlaced with three
8KHz wide, jumper-selectable scan ranges.

SYNC SELECTION

SYNC SELECTION: Jumper plug on video processor and input board
permits selection of either internal or external sync.
INTERNAL: Composite horizontal and vertical sync combined
with green video signal.
EXTERNAL: BNC connector for external composite horizontal and
vertical sync.

INPUT CHARACTERISTICS

CHANNEL A: Three separate BNC connectors for RGB inputs, each
parallel-wired with a second BNC connector for loop
through operations, and switch selectable impedance
matching high Z or 75 ohms.
CHANNEL B: Single BNC connector for monochrome input, with
parallel-wired second BNC for loop through
operation. Switch selectable impedance matching
high Z or 75 ohm.
EXTERNAL SYNC: Single BNC connector for external sync input, with
parallel-wired second BNC for loop-through
operation. Switch selectable impedance matching
high Z or 75 ohm.

CONTROLS

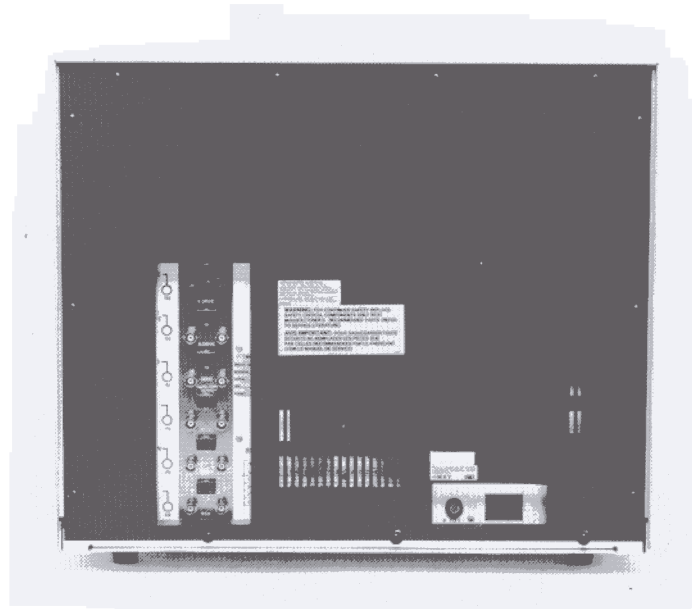
PRIMARY: Power, degauss, contrast, brightness; preset
calibration positions for contrast and brightness
controls.
SECONDARY: Red-green-blue gun on/off buttons; red-green-blue
lowlight adjustments, channel A-B select button.

ENVIRONMENTAL REQUIREMENTS

TEMPERATURE: 32° (0° C) to 122° F (50° C)
HUMIDITY: 10% to 90% relative, non-condensing
ALTITUDE: Up to 10,000 feet (3000 meters)

POWER REQUIREMENTS

VOLTAGE: 100, 117, 200, 234 volts ac \pm 10%
FREQUENCY: 50-60 Hz, \pm 10%
CONSUMPTION: 155 watts nom., 170 watts max, at 117 volts ac.



PHYSICAL SPECIFICATIONS

DIMENSIONS: 15.7 in height x 18.97 in width x 23.56 in depth
WEIGHT: 81.00 lb (36.74 Kg)

PRODUCT REGULATION

RADIATION: Complies with FCC/VDE requirements applicable at
time of manufacture
ELECTRICAL: UL, CSA and TUV-IEC 380 approval

GENERAL INFORMATION

HARDWARE: HP 13279B - 19" color monitor
DOCUMENTATION: 13279-90001 HP 13279B User Manual
SYSTEM SUPPORT: Refer to appropriate HP system data sheet for use
and support of the 13279B on these systems. When
this product is used in a customer assembled system,
the overall operational responsibility of the system
rests with the customer.
WARRANTY: The HP 13279B is warranted against defects in
materials and workmanship. Consult your local HP
sales office for terms and conditions.
MAINTENANCE: HP maintenance agreements are available for HP
13279B support after the warranty period. Contact
Your local HP sales office for terms and conditions.

ORDER INFORMATION

PRODUCT NUMBER	DESCRIPTION
13279B	High-quality 19" color display (std 117V, 60 Hz)
#013	240V, 50 Hz operation
#014	100V, 60 Hz
#015	220V, 50 Hz
#016	100V, 50 Hz
#065	Long persistence phosphor

