



4620 Video Hard Copy Unit

- Low-cost Hard Copy from Video CRT Terminals
- Compatibility with Most Alphanumeric and Graphic CRT Terminals Utilizing a Video Display
- Simple Operation
- Completely Self-contained
- Up to 1000 Characters per Second

The 4620 Video Hard Copy Unit provides a convenient means of making permanent facsimile copy from CRT display terminals. The information is copied on 3M Dry-Silver Paper by the 4620 providing an accurate 8½ x 11-inch presentation of the information shown on the CRT screen, including alphanumeric characters, special symbols and graphic vector elements.

Since the 4620 is completely self-contained, installation consists merely of connecting a 4620, having the appropriate interface for the model of CRT terminal in use, to the CRT terminal and to the power line. Copy command is initiated by pressing a front-panel control or by supplying an external command. Copy contrast is adjusted by the operator with a simple-to-use front-panel control.

APPLICATIONS

Easy-to-handle 8½ x 11-inch dry copies are convenient for communication, documentation, recording and filing uses in applications where CRT display terminals are currently used. With some models of CRT terminals, several terminals may share a single 4620 Video Hard Copy Unit, thus effectively lowering the hard copy unit cost per terminal.

HOW THE 4620 WORKS

Video information, consisting either of a composite video signal or separate video, horizontal drive and vertical drive, together with a data clock signal, is connected to the 4620 rear panel. If a composite video signal is used, internal synchronization is derived from the composite video signal, otherwise internal synchronization is derived from the horizontal and vertical drive signals. A copy command, provided by a front-panel push button or by remote electrical input, initiates a sampling process. The video signal is sequentially sampled providing information to modulate the line-scan CRT intensity. A fiber-optic faceplate couples the light output to the recording material producing a latent image on sensitized paper. This latent image is developed in the 4620 and cut to 8½ x 11-inch sheets ready to use. Unvarying video information is required during a brief sampling period (about 5 seconds). An additional 5 seconds is required to process the hard copy.

INFORMATION DISPLAY PRODUCTS



TEKTRONIX®
excellence in
information display

THE COPY MEDIUM

The processing unit in the 4620 is designed to be used with 3M Brand Type 777 Dry-Silver Paper. Type 777 Paper provides the high image contrast required for high-resolution copies of complex graphics and alphanumerics. It offers the user the stability normally associated with wet-process photosensitive paper plus the convenience of dry printout papers. Cost is low: 5 to 8 cents per 8½ x 11-inch copy, depending on usage. Roll size is 8½ inches by 500 feet. Dry-Silver prints can be handled much like any conventional paper. Records can be written upon with pencil or pen. Pencil marks are erasable. Shelf life of unexposed paper is six months, providing the paper is not removed from its protective wrapper and is stored at room temperature.

CHARACTERISTICS

Input Signals—The standard interface allows the 4620 to be used directly with many CRT display terminals. A terminal may be interfaced to the 4620 by providing a clock signal, a horizontal and a vertical drive from TTL compatible output circuitry.

Please contact your Tektronix Field Engineer for more information on the signals required.

Copy Size—Adjusted to 8½ x 11 inches at the factory.

Copy Time—10 seconds for first copy. Additional copies of the same display take about 5 seconds each.

Warmup Time—20 minutes.

Remote Copy Command—Closure to ground for at least 5 μ s.

Ambient Temperature—Between 0° to +35°C is recommended.

Power Source (factory-wired options)—90 to 136 V AC, 115 V nominal, 50 or 60 Hz. Maximum power consumption at 115 V, 60 Hz is 1450 W for first 40 s after turn on, 220 to 520 W for normal operation, 100 W standby.

Dimension (height, width, length)—11 x 17 x 24 inches; 27.9 x 42.7 x 61 cm.

Weight—Approximately 69 pounds; approximately 31 kg.

Included Standard Accesories—6-foot detachable power cord, operator's and maintenance manual.

4620 Video Hard Copy Unit \$3750
4620-1 \$3750
Same as 4620 except designed to operate at 220 volt, 50 cycles.

Paper—The roll shipped with the 4620 is 3M Type 777 Dry-Silver Paper. Refills may be purchased from Tektronix, Inc., or 3M Co. service centers.

For one roll, order 006-1603-00 \$40 each.
For one carton of 4 rolls,
order 006-1603-01 \$143 each.

U.S. Sales Prices FOB Beaverton, Oregon