4631

TEKTRONIX

Hard Copy Unit

A clear picture of your solutions.

When a 4051 graphic display needs to be preserved, hard copies are the answer. They're convenient, permanent and easy to work with.

Our 4631 Hard Copy Unit is everything you've wanted in terms of quality and reliability, and a whole lot more than you expect in terms of price and versatile performance.

One of the family. The 4631 is compatible with the 4010 family of display terminals and the 4006-1, as well as the 4051 BASIC Graphic Computing System. The 4631 provides permanent, dry copies of any information displayed on the terminal screen. It can be multiplexed to make copies from up to four display terminals and/or display monitors. When you need to keep records, or present information at that last-minute meeting, a touch of the button gives you copies of any displayed data quickly and easily.

Time-saving design. The 4631 is an easily-installed, completely self-contained unit with built-in stacking tray. It is small enough to fit on a table top, and light enough to be moved where needed. There are no messy chemicals to spill. It's clean and quiet enough to fit into the most sensitive system.

Copy time is 18 seconds for the first copy, 10 seconds for subsequent copies—efficient enough for computer time-conscious users. Its large paper roll (540 copies per roll) minimizes roll-loading downtimes.

Interfacing to the 4051 is as simple as a plug-in. Operation is easy even for non-technical users. And the 4631's jam-free transport mechanism keeps you working on your problems, not the machine's.

Flexible format. Make every copy fit to print: a harmonic connector on the 4631's timing board allows for format changes and copy time selection for greatest flexibility. Format A in position I, for example, gives copies of 11- or 19-inch displays in horizontal format. Format B, position II gives copies of 11-inch displays in vertical format.

Flip-top maintenance. By lifting the cover, all electrical and mechanical components are readily accessible for easy repair. A special cover inter-

lock automatically disables all hazardous voltages. Few mechanical or electrical adjustments are ever required, and all circuit boards can be quickly removed, or placed on an extender board for fast troubleshooting.

Image quality: high and dry. The 4631 uses 3M® Brand 777 Dry-Silver paper for the high image contrast needed for complex graphics and alphanumerics. It's as stable as wet-process printouts, but provides all the handling ease of dry, conventional paper: you can write on it or erase pencil marks from it without damage.

Specifications.

Paper Size 8½ x 11 inches

Copy Size
Position I and III produces an 8.85 x 6.7 inch copy, oriented horizontally on an 8½ x 11 inch piece of paper.

Position II produces a 7.1" x 5.4" copy, oriented vertically on an 8½ x 11 inch piece of paper—not recommended for 19" display tubes.

Copy Time
Approximately 18 seconds for first copy. Additional copies of the same display take about 10 seconds each. 36 seconds for first copy when using position III and 17 seconds for additional copies of same display.

Exposure Time
Position I and II approximately 7 seconds, position III approximately 14 seconds.

Warmup Time
10 minutes.

Ambient Temperature
$0°C$ to $+ 35°C$ is recommended.

Power Source
(Factory-wired options)
100VAC 50-60 HZ
115VAC 50-60 Hz
120VAC 50-60 Hz
200VAC 50-60 Hz
220VAC 50-60 Hz
230VAC 50-60 Hz
240VAC 50-60 Hz

Dimension (Height, width, length)
11.6 x 16 x 25.5 inches
29.5 x 40.6 x 64.9 cm

Weight
Approximately 65 pounds
(29.48 kg.)

Options
Option 1—Copy Counter—Auto - matically counts the copies made by the 4631.
Option 2—Four Channel Multiplexer —One 4631 can copy up to 4 separate terminal displays and/or storage display units.

Standard Accessories
User's Manual (070-1830-00)
One 10-foot Connecting Cable
(012-0547-00)

Optional Accessories
Service Manual (070-1831-00)
10-foot Connecting Cable
  (012-0547-00)
20-foot Connecting Cable
  (012-0548-00)
50-foot Connecting Cable
  (012-0549-00)

Options
Option 1: Copy Counter
Option 2: Four Channel
  Multiplexer
OEM quantity prices are available. Contact your local Tektronix Application Engineer or Field Engineer for additional information.

Paper
One roll of 3M® Type 777 Dry Silver paper will be included with each hard copy shipment. Refills may be purchased from Tektronix, Inc.
For one roll, order 006-1603-00
For one carton of 4 rolls,
order 006-1603-01.

Remote Signal Input
Remote Copy—TTL, a logic level "LO" (> 1 msec.) initiates a copy command.

Output Signal
Copy Busy—Open collector: low during copy time plus 3 seconds.

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