"The 4051 enables an ideal learning technique: one-to-one dialogue with graphic examples."

Alfred Bork
University of California, Irvine

Imagine a teaching assistant who continually involves students with intriguing graphic demonstrations. Who stays close enough to each student to critique answers and review material immediately after testing. Who tutors according to individual interests and learning rates.

Dr. Alfred Bork brings that kind of assistance into his physics classes.

It's Tektronix Computer Graphics. For example, the 4051, pictured here, works as a low-cost, off-line or on-line learning device to help students study energy, gravity, momentum, and dozens of other subjects via fascinating simulations and graphic metaphors. It's a big assist to self-paced methods. To testing. Even to course management.

Whatever your subject matter, whoever your students, the 4051 makes learning a very memorable experience. For a video tape on Computer Graphics in Learning, application or product literature, please write: Institutional Market Manager

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Information Display Group
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Beaverton, Oregon 97077

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Badhoevedorp
The Netherlands

Tektronix
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Product Data

Curves that are really curve forms. Alphanumericics that run in any size, shape or angle, in six language fonts. Repeatability precise as a hair's breadth, time after time, day after day. Graphic input for selective digitizing. Self-testing. Data buffering.

The 4662 has a lot to boast about. It's the first microprocessor-based B-sized digital plotter—but that's only the beginning. It's been designed to offer accuracy and versatility previously unknown in its price range. It's been engineered to offer outstanding reliability for a mechanical device.

Because it's a digital system, there's no servo hysteresis, no drift, no slidewires to clean as in potentiometric feedback systems. Because data is buffered, your computing device can keep on working while the 4662 keeps on plotting. Because it draws characters on a 15x7 matrix, its penmanship is excellent even at its superior speed. Your Tektronix representative can tell you the whole story.

Specifications:

Performance Characteristics:

Plotting area:
X-Axis greater than 15" (38.1 cm)
Y-Axis greater than 10" (25.4 cm)

Accuracy: 0.005" (0.127 mm)

Repeatability:
±0.0025" (±0.06 mm)

Resolution: 0.005" (0.127 mm)

Plotting rate: 16-22 IPS vector dependent (40.6-55.9 cm/sec).

Point plotting rate:
Pen action rate 10 points/sec. max.

Character set:
95 ASCII printing characters plus BEL, BS, CR, FF, HT, LF and VT control characters.

Pen Control:
By software control or by operation of front panel PEN button.

Position controls:
Joystick vector rates variable from .015 ips to 4 ips (.038 cm/sec to 10.2 cm/sec)

Writing method: Nylon-tipped pen

Paper size:
11" x 17" maximum (27.9 cm x 43.2 cm)

Paper retainer:
Electrostatic holddown.

Operating Modes: RS-232:
The 4662 has 2 input modes in RS-232-C: Alphanumeric (Alpha), Graphic plot (Graphic). The 4662 also has Graphic Input (GIN) to the host. RS-232-C Interface specifications: Asynchronous full and half duplex data transmission at 110, 150, 300, 600 or 1200 baud.

General Purpose Interface Bus (GPIB)


Input Power:
90W maximum, 60W typical.
Selection of 105V ±14%, 116V ±14%, 210V ±14%, 232V ±14%
Line frequency 46 to 66 Hz

Dimensions:
Width: 20¾"/51.7 cm. Height: 8½"/20.3 cm. Depth: 19½"/49½ cm.
Weight: 30 lbs. 4 oz., 13.8 kg.
Shipping Weight: 45 lbs. 14 oz., 20.8 kg.

Environmental:
Temperature:
Operating 0° to 50° C. Non-operating –55° C to +75° C.