
Tektronix

**Interactive Digital
Plotters**



**Small plotters
with a long future.**

From the pioneer in smart small plotters: drawing power with staying power.

Ever since Tektronix introduced the first interactive digital plotter, we've been extending the possibilities of personal, desktop plotting.

We began by applying microprocessor-based digital technology to developing a plotter as accurate, fast and reliable as plotters many times their size and price.

Then we built from there.

We made them easy enough for the layman. Powerful enough for the professional. We made them plug-to-plug compatible with all Tektronix terminals and desktop computers and with most other RS-232-C or GPIB devices. We provided a spectrum of multi-color, multi-media plotting capabilities, plus many optional capabilities you don't pay for if you don't need.

Finally, a Tektronix trademark: we've continued to respond to our customers evolving needs. Not by outdating our plotters with new ones—but by updating them with additional accessories, options and retrofitable features. That's practical!

You begin with a complete assortment of capabilities. As your needs expand, chances are your plotter will, too. You can plot on paper. On Mylar®. On transparent film for overhead projection. You can use fiber-tip or hard-nib pens—or choose from a variety of thin-line wet-ink pens for the most accurate drafting or for fitting many small graphs on a single page.

In the Tektronix PLOT 10 Library, you can find software support from the simplest graphs to complex 3-D images. PLOT 50 software for Tektronix 4050 desktop computers include packages that let you create even complex plots from a menu of graphic primitives.

Recent developments like extra plotter memory and our 4662 8-pen turret have been designed to be field-installable on existing plotters. Special options like automatic paper feed, downloadable character sets and other special-purpose modules can be added to the 4663.

We plan a long future for our plotters. So you can too.

Tektronix 4662



- **Fast, accurate, economical plotting.**
- **B-size, 11"x17" (279 mm x 432 mm).**
- **Buffer memory, expandable to 8K.**
- **Integral joystick digitizing.**
- **Compatible with RS-232-C and GPIB devices.**

The 4662's built-in intelligence puts fast, precise plotting in the hands of both casual users and programmers in applications from business graphing to scientific analysis. It draws real curve forms, not stairsteps, with repeatability of $\pm 0.0025"$ (± 0.06 mm) and with exceptional speeds of 16-22 ips (406-559 mm/sec). It produces upper and lower case character sets to any size. Using Tektronix software support, you can easily instruct it to draw dashed lines, to plot points, to scale images or draw graphs.

Large buffer memory, built-in joystick digitizing and electrostatic paper hold-down are all included to make the 4662 do more work with fewer delays. Thanks to its RS-232-C and GPIB interfaces, the 4662 is compatible with controlling devices from simple monochrome terminals to sophisticated color display terminals. Whatever you start with, you end up with the same high quality results.

Tektronix 4662 Option 31



- **Automatic 8-pen turret.**
- **Large selection of pens and plotting media.**
- **B-size 11"x17" (279 mm x 432 mm).**
- **Many character styles, language fonts.**
- **Standard RS-232-C and GPIB interfaces.**

To the fast, powerful plotting capabilities of the 4662, you can add an 8-pen turret for the convenience of automatic pen changes. Combined with the largest selection of drawing colors and pen types among small plotters—including felt-tip, hard-nib and wet-ink pens in a variety of line widths, the 4662 Option 31 lets you produce a single elaborate plot or a variety of plots, without touching a pen.

And because Tektronix believes in supporting, not penalizing, existing customers, we designed the 8-pen turret to be easily retrofit to existing 4662's by Tektronix service anywhere in the world. A few lines of software is all it takes to get the turret up and running!

Mix pen types or change plotting media at will. The 4662 Option 31 accepts paper, Mylar® or acetate film in any size up to maximum dimensions. Electrostatic hold-down keeps media in place without fasteners.

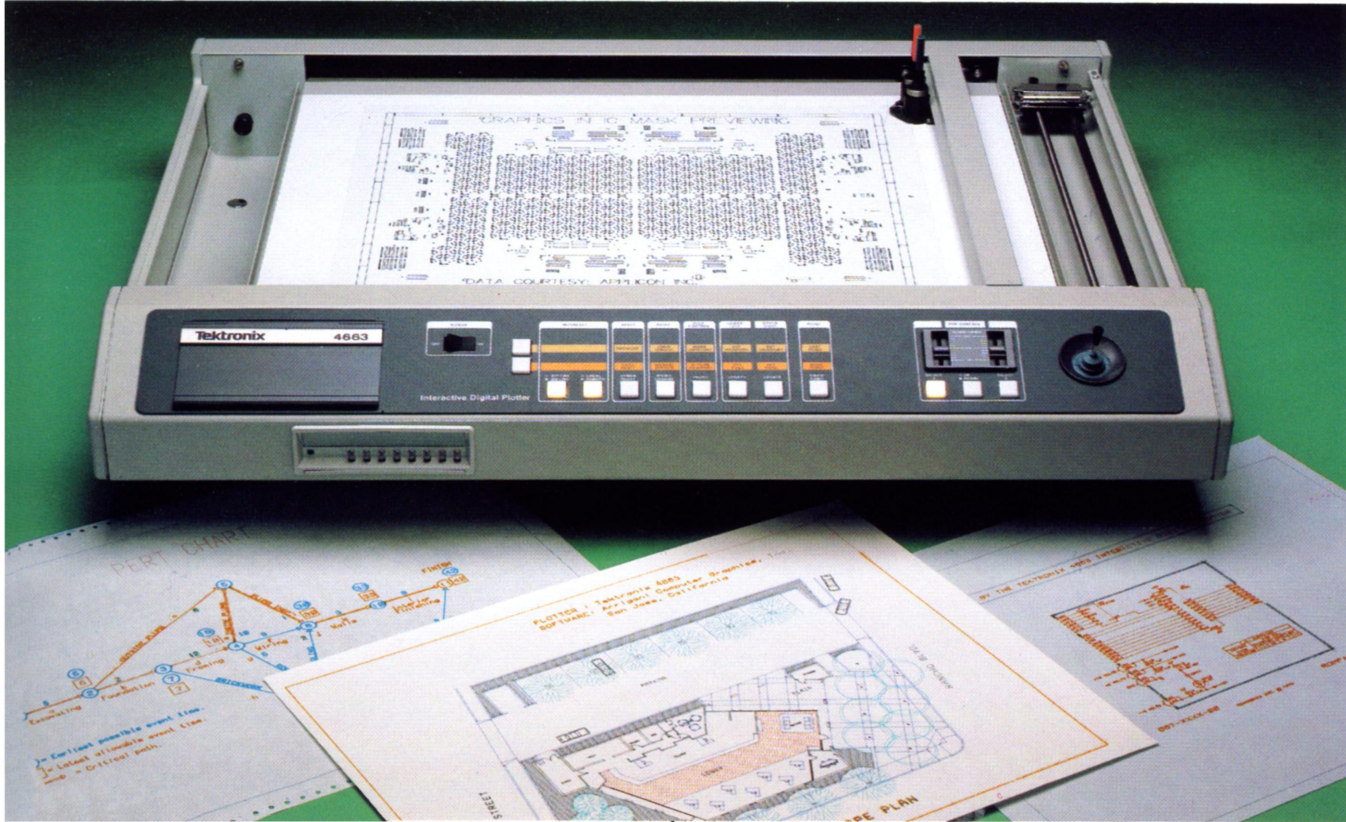
You can program text characters of any height and width, rotated in 1° increments. A number of language fonts and special graphics symbol font are available.

Another convenience you'll appreciate is the built-in joystick—an improvement over the limited button control of other plotters. You can easily and accurately digitize points back to the controlling device, simply by moving the pen to the desired points and pressing the CALL key.

And because input data is internally buffered, you can download data and instructions to the plotter, then move on to other projects while the plotter works.

From impressive presentation graphs to the most immediately meaningful scientific graphics, multi-color small plots are the most versatile output you can come by. Economical enough for file copies and working drafts, they are also an eye-catching addition to binder presentations or published reports. With the RS-232-C and GPIB (IEEE-488) interfaces of the 4662 Option 31, its automatically selectable pen colors and pen types can become a part of virtually any terminal or desktop computer system.

Tektronix 4663



- Large plotter capabilities at a small plotter price.
- C-size, 17"x22" (A2, 432 mm x 594 mm).
- Easy set-up via parameter entry card.
- Dual programmable pen control.
- Optional circular interpolation and programmable macros.
- Optional paper advance.

Workstations that could never afford the largest plotters can easily afford the large plotter capabilities of the 4663. And people who could never operate large plotters will find the 4663 a breeze. Inside is the microprocessor intelligence to control resolution to within $\pm 0.001"$ (.025 mm) and repeatability to within $\pm 0.0025"$ (.064 mm). Inside and out is a uniquely intelligent design that gives you the versatility you need now and the modularity to add other options.

A unique parameter entry card gives you push-button interrogation and set-up of operating conditions. With optional added default parameters, up to four sets of such conditions can be keyed in at the same time. Even turned off, the plotter will remember them for as long as 90 days, to quickly accommodate the standard requirements of several people or projects.

Front panel controls, too, from the clearly defined function buttons to the human engineered joystick digitizing, are designed to make the user interface easy.

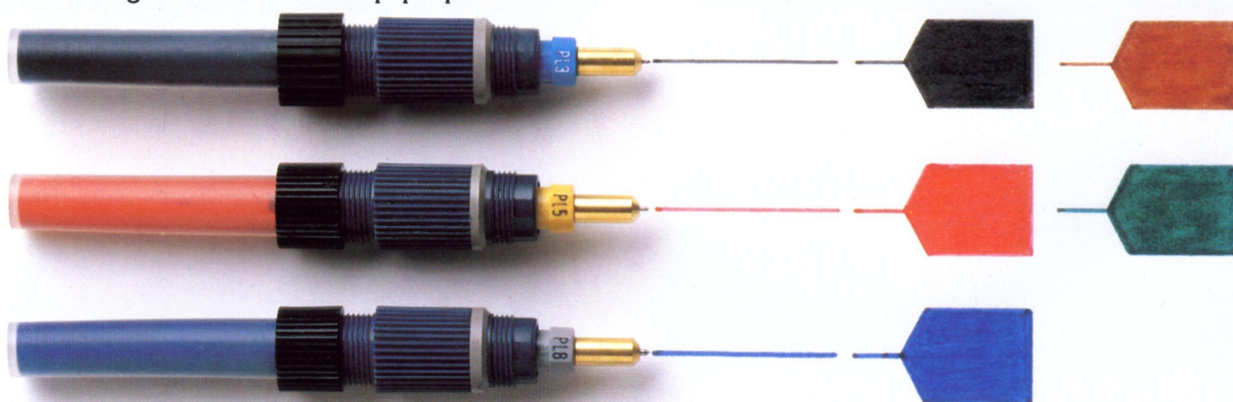
The 4663 is equally at home with paper, Mylar® or acetate film plots. Its dual programmable pen control accommodates our full line of fiber-tip, wet-ink or hard-nib pens, so you're assured a perfect fit for the plotting medium or precision of line required.

Alphanumerics are drawn on a high resolution 15x7 matrix, in any size, shape or angle, with several letter styles and language fonts available.

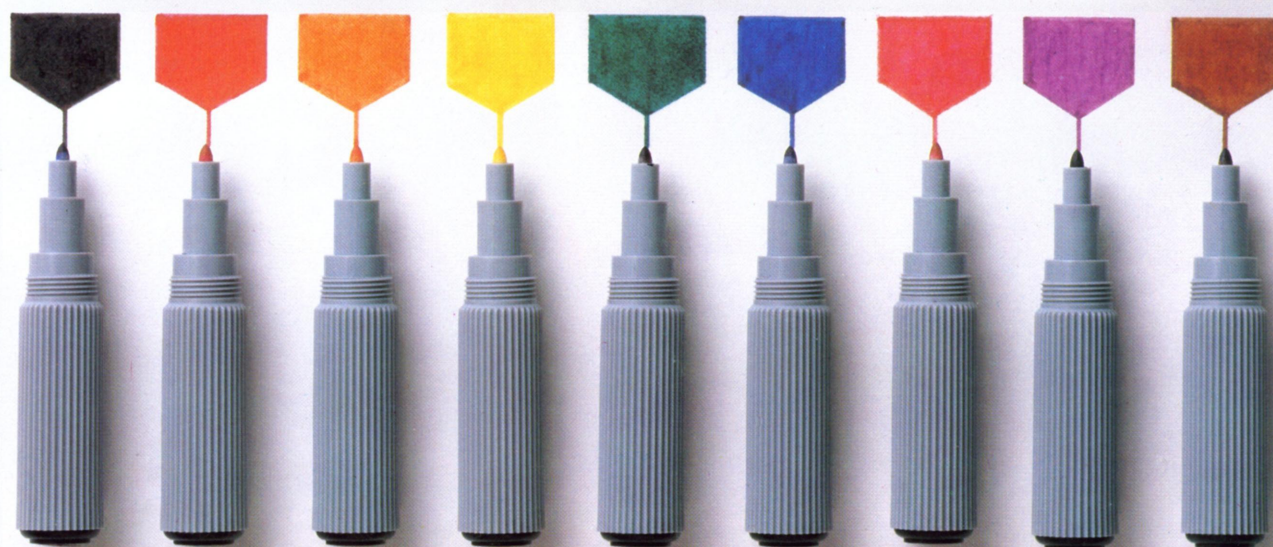
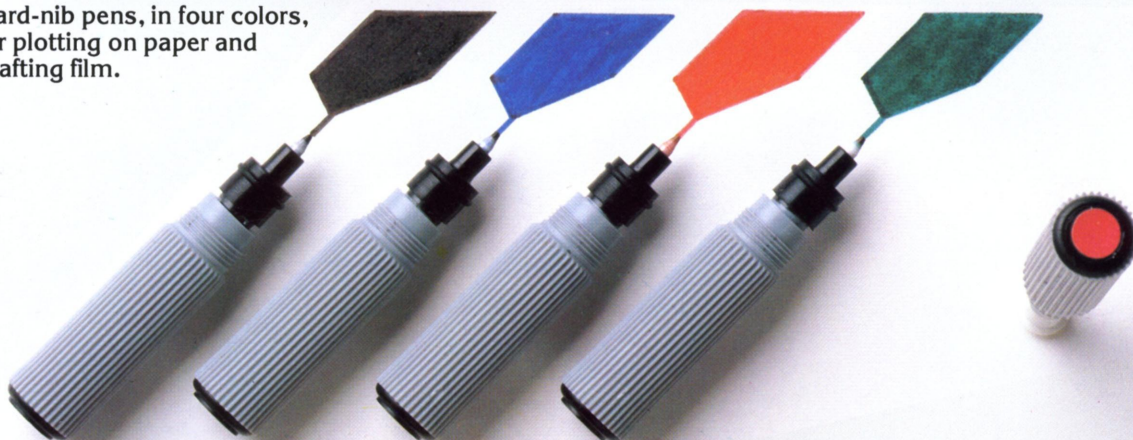
Other options allow users to add the special capabilities they need, and to save on what they don't. Engineers can extend the usefulness of the 4663 with optional arc generation and the ability to store a string of plotter instructions in memory, for later execution by a single command. Cartographers or instrumentation users can specify roll paper advance, actuated by manual or program control.

No matter what your profession, or where your plotting needs take you next, you can count on Tektronix to have all the right options to draw on.

Wet-ink pens, in .3 mm, .5 mm and .8 mm widths, used primarily for drafting film and for fine-line paper plots.



Hard-nib pens, in four colors, for plotting on paper and drafting film.



Fiber-tip pens, with permanent inks for drafting film or for clear acetate overhead projector film; and with water-soluble inks for paper.



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