It's the Inktronic® terminal

Inktronic RO (receive-only) set

Inktronic KSR (keyboard send-receive) set

—a new line of high speed, electronic data terminals from Teletype

This Teletype heavy-duty, solid-state printer is different. Non impact printing. It jets characters to the page at up to 120 characters per second. Many times faster than ordinary page printers. And costs much less than you might imagine. Future plans call for even higher speeds for complete utilization of voice grade channels.

Fires charged ink particles

Characters are formed from electronically controlled ink nozzles. Each ink droplet carries a negative charge. When the ink is drawn out of the nozzle by the valving electrode and directed through two different pairs of electrodes, as shown above, the droplets are deflected vertically and horizontally to trace out characters. Each character is actually made up of a series of dots of ink that together form a continuous line.

The Inktronic printer prints one character at a time. Prints one letter lines as readily as entire lines. The Inktronic printer requires no buffer storage and is able to intermingle long and short printed lines without the use of fill characters.

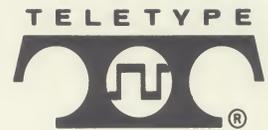There are 40 ink nozzles used in the maximum line of 80 characters. Each nozzle remains stationary and is responsible for two characters. The ink supply and guidance system has only one moving part. And all of the parts normally found in a printer's carriage return have been eliminated—all of which means very little maintenance is required to give you truly quiet operation.

High-speed, on-line computer input/output

An Inktronic KSR (keyboard send-receive) set can be used effectively for rapid computer interrogation, especially in time-sharing systems where computer and line time should be kept at a minimum. Inktronic RO (receive-only) sets serve well as computer output devices when large volumes of data are required in a short period of time. They are extremely useful for monitoring of high-speed tape-to-tape systems, too.

Code compatible

Inktronic equipment will generate up to 128 code combinations of which 63 alphanumerics (plus SPACE) can be printed. The Inktronic RO may be arranged for use with either the 5-level code, or U.S.A. Standard Code for Information Interchange (ASCII). The Inktronic KSR will use ASCII. An Inktronic ASR (automatic send-receive) set will be available.

A few words about ink and paper

The Inktronic printer uses ordinary teletypewriter paper. Inexpensive paper. A roll provides about 400 feet of space to fill. The ink it uses is inexpensive, too. One pint will deliver about 80,000 feet of data. With 1200 word per minute capability, this is an important point to consider. The ink used in the Inktronic terminal is easier to load than a typewriter ribbon. Paper replacement is easy, too—even when the set is flanked by other equipment or office furniture. And it displays at least 11 inches of copy.

MORE INFORMATION

You can obtain additional information by contacting our Sales Organization at the general office address listed below.

(shown half size)

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         1             2         3         4           5         6         7         8
1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678 90

          THIS IS AN EXAMPLE OF WHAT THE NEW INKTRONIC TERMINAL CAN MEAN TO YOUR
DATA COMMUNICATIONS.
                                              SEVENTY-TWO OR EIGHTY
                                   CHARACTERS CAN BE PRINTED ON A LINE

           ...AND YOU CAN START PRINTING ANYWHERE.

ON THE LEFT                      IN THE MIDDLE                        ANYWHERE

IN A SECOND, ONE HUNDRED AND TWENTY CHARACTERS JET TO THE PAGE.   THAT'S AS MANY
LETTERS AS THIS PARAGRAPH CONTAINS.
                                     YOU CAN PRINT NUMBERS        12345
                                                                 67890
OR SIGN LANGUAGE             ..*#%-&'()*;?:/@

IN A CHOICE OF CODE:     5-LEVEL OR ASCII

AND BEST OF ALL, THE INKTRONIC TERMINAL
                        DOESN'T COST VERY MUCH!        $$$$$$$$$$$$$$$$$$
                                                       $       ...       $
                                                       $    . $ .        $
                                                       $       ...       $
                                                       $$$$$$$$$$$$$$$$$$
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INKTRONIC TERMINAL TECHNICAL INFORMATION

Speed

—1200 wpm (120 characters per second, or 1200 bauds)
—1050 wpm (105 characters per second, or 1050 bauds)
Future plans call for even higher speeds for complete utilization of voice grade channels.

Code

RO—ASCII (7 information bits, 1 parity bit), 10 unit.
—5-level, 10 unit.
KSR—ASCII (7 information bits, 1 parity bit), 10 unit.

Temperature

—operating: 40°—110°F ambient with humidity: 95% max.

Printer

—friction feed platen
—maximum line of 80 characters
—horizontal spacing 10 characters per inch
—vertical spacing 6 lines per inch

Approximate Dimensions & Weight

—RO: 18-in. wide, 27-in. deep, 47³⁄₄-in. high, 55-in. high with paper winder; 300 lbs.
—KSR: 36-in. wide, 30-in. deep, 33¹⁄₂-in. high; 320 lbs.

Keyboard

—full ASCII keyboard (can generate up to 128 characters). Similar to typewriter.

Paper

—ordinary 8½ in. wide teletypewriter paper; 4½ in. diameter roll (friction feed)
(A standard 400 ft. roll of 8½ in. wide paper will last for approximately 5 hours at 1,050 wpm when printing 80 character lines)

Ink Supply

—a pint of ink will print approximately 200 rolls of paper printing 80 character lines, and will provide for 1000-1500 hrs. of printing at 1200 wpm.

Interface Information

—with proper data set can transmit over voice grade channels.
—serial start/stop through EIA RS-232-B interface.
—parallel signal through contact interface (RO only)

Power Requirements

—approximately 600 watts; 115 V AC ±10%, 60 Hz ±0.5 Hz. Set is fused for 8 amps.

machines that make data move

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