445

A tough new breed of Tiger.

Featuring the most rugged printing mechanism ever designed into a low-cost matrix printer.

Paper Tiger 445

Integral Data Systems, Inc.

Famous Paper Tiger Performance.

The new 445 gives you the reliability and performance you expect from the Paper Tiger family of printers.

It comes with a rugged ballistic-type print head and an advanced cartridge ribbon that lasts up to four times longer than most cassette or spool ribbons. Two separate heavy duty motors drive the print head and advance the paper. Plus you get true tractor paper feed.

With the new 445 you can software-select character sizes, print 80- and 132-column formats, adjust paper width and length, even generate six-part business forms. All at unidirectional print speeds to 198 characters per second.

Need more stripes? Specify DotPlot,™ a sophisticated raster graphics option.

For use with personal computers, CRT's or any small business system, this is your Tiger. The tough, new Paper Tiger™ 445 from IDS.

Specifications

Printer

Controller:	Microprocessor controller with both serial RS-232C and Centronics-compatible parallel interfaces.
Power-On Diagnostics:	Microprocessor program and buffer memory test performed each time power is applied. If a problem is found, the ON-LINE indicator is extinguished and an attempt is made to print an error indication.
Printing Diagnostics:	Built-in, operator-initiated self-test prints repeating alphanumeric pattern.
Maximum Print Speed:	198 cps instantaneous, at 16.5 cpi; 120 cps instantaneous, at 10 cpi (unidirectional).
Maximum Line Length:	73, 80, 96, and 134 characters at 8.3, 10, 12, and 16.5 cpi respectively (8-inch print width).
Paper Width:	Maximum width of 10 inches to minimum width of 1.75 inches, including pinfeed holes.
Paper Feed:	Bottom or rear feed. Internal self-contained roll holder (optional) holds 4.5-inch diameter roll. Fanfold paper stack of approximately 500 sheets can be housed partially within printer.
Paper Form:	Pinfeed roll or fanfold paper; widths from 1.75 to 10 inches.
Paper Type:	Ordinary paper. Single or multiple ply up to 6 part. (operator adjustable)
Paper Drive:	Stepper-motor-driven pinfeed tractor. Slew rate of approximately 3.5 inches per second.
Forms Control:	Eight switch-selectable form sizes and automatic perforation skip. Top of form control by operator switch (offline) and ASCII FF control code (online).
Line Spacing:	Six or eight lines per inch, switch selectable. Twelve lines per inch software selectable by ASCII VT code.
Character Format:	7-x-7 dot matrix normal mode. 8-x-7 dot matrix enhanced mode.
Character Set:	Full 96 ASCII characters, upper and lower case.
Character Sizes:	0.110 inch high; 8.3, 10, 12 and 16.7 characters per inch, plus enhanced (double width) characters at each density.
Ribbon:	Cartridge-type ribbon with 36-yard mobius loop, biased routing for increased ribbon life.
Print Head:	Rugged in-line, seven-wire, ballistic-type design.
Graphics Dot Plotting:	(Optional) Full dot pattern control for graphics, includes expanded 2048-byte buffer.

Interface

Electrical:	Serial RS-232C interface with handshake control via Data Terminal Ready (DTR) signal. Centronics functionally compatible parallel interface.
Connector Supplied:	25-pin Male EIA (Cinch DB25P or equivalent). Interface cable optional.
Serial Data Format:	Asynchronous bit serial: 1 start, 8 data/parity, 1 or 2 stop bits.
Character Codes:	Full 96 ASCII characters, upper and lower case. 12 control codes standard. One optional.
Line Buffering:	Automatic multiple line buffering. Standard buffer size of 256 bytes; buffer size of 2048 bytes for full CRT screen and graphics buffering supplied with graphics option.

Operator Controls/Indicators

Power Switch:	Switch located at rear of printer for turning on AC power.
Power On Indicator:	When illuminated, indicates power is applied to printer.
Online/Offline Switch:	Sets the printer online or offline.
Online Indicator:	A steady illuminated condition indicates the printer is online and selected. A flashing condition indicates the printer is online, but has been deselected by a DC3 control code. An off condition indicates the printer has been placed offline.
Paper Out Indicator:	An illuminated condition indicates an out-of-paper status exists. The printer is forced to an offline condition.
Form/Line Feed Switch:	This on-off-on momentary contact switch is used to manually advance the paper. In formset mode, increments/decrements paper.
Test/Formset Switch:	This on-off-on switch is used to select the built-in print test or place printer in formset mode.

Configuration Switches

Two groups of operator switches are provided to set the following functions: interface mode (parallel/serial), baud rate (110, 300, 600, 1200 bps), default (power-up) character size (8.3, 10, 12, 16.5 cpi), form length (3, 3.5, 4, 5.5, 8.5, 11, 12, 14 in.), auto-perforation skip, auto line feed, remote select (enable), software control codes (enable), 50/60 Hz select.

Programmable Control (ASCII Control Codes)

LF:	line feed,
VT:	vertical tab,
FF:	form feed,
CR:	carriage return,
SOH:	enhanced mode,
STX:	normal mode,
ETX:	(optional) graphics mode/escape,
FS:	8.3 cpi,
GS:	10 cpi,
RS:	12 cpi,
US:	16.5 cpi,
DC1:	select printer,
DC3:	deselect printer.

Physical

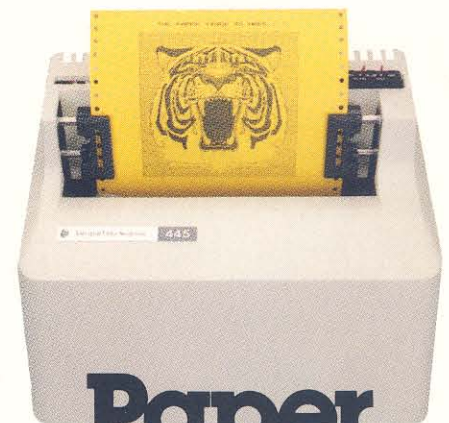|	
Dimensions:	15.75 inches wide x 12.25 inches high x 12.5 inches deep.
Weight:	20 pounds
Power:	115/230 VAC, switch selected; 50/60 Hz (See Note).
Note:	All specifications are for 60 Hz operation. For 50 Hz operation, throughput is decreased by 17 percent.

All specifications subject to change without notice.

Call TOLL FREE 800-258-1386 (in New Hampshire, Alaska and Hawaii, call 603-673-9100).

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