TEC B-452 Thermal Printer

Superior Features!
Small Footprint!
So Affordable!

■ Highly Flexible Desktop Printer

The advantage of the TEC B-452 desktop printer's flexibility provides a powerful solution for moderate volume tag and label applications. The B-452 comes standard with 2MB of DRAM and Flash ROM that is loaded with fonts, barcodes, and 2-D symbologies. This printer can also be used for stand-alone printing with the optional keyboard, (KB-80). The B-452 has the ability to interface with a host system or scanner via direct connection or net-worked. In addition, the B-452 can be equipped with a variety of options for the utmost in flexibility over a wide range of office or light manufacturing applications.

■ Options that Complement a Wide Range of Applications

The B-452 boasts an extensive list of options including the cutter and strip modules, an external programmable key-board or external rewinder to name a few. The communication options for networks, parallel and expansion I/O modules allow for easy system integration. The B-452 is a perfect fit for applications where high-end printers are cost prohibitive and low-end printers just cannot handle the job.

■ Compact and Reliable

Individual motors and control for ribbon and media movement insure reliable printed output time after time. And, TEC backs up its commitment to performance, reliability and value with a warranty above the industry standard. TEC's compact design of the B-452, makes it perfect for the office, retail, warehouse or wherever space is tight.

■ Feature Rich and Economical

Standard features include a high resolution 300 DPI print head and, with print speeds up to 4 inches per second and media widths up to 4.5 inches, the B-452 is at the top of its class. TEC's wide mouth print head design opens perpendicular to the feed path making it easy to load media and clear the paper path. Whether you need a simple shipping label with a wax ribbon, or a more advanced UL label with a durable resin ribbon, TEC's B-452 is the right decision.

■ User Friendly

The B-452 friendliness is built right into all aspects of its design from firmware to hardware. The printer operates under any host system using the simple TPCL language or Windows with the Windows® driver for 95, 98, and NT™ 4.0. The hardware encompasses TEC's standard use of green operating cues which provides ease of operator training, along with simple ribbon and media loading. The snap in print head design, which is user replaceable, means less down time and more productivity.

TEC
Toshiba Group

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TECHNICAL SPECIFICATIONS

B-452 Thermal Printer

FEATURES

Print Head Resolution		11.8 dots/mm (300 dpi) Traditional
Number of Print Heads		1
Print Method		Direct thermal/thermal transfer
Print Speed		2"/s , 4"/s
Issue Methods		Continuous (Option: strip, cut)
Media Alignment		Center Loaded
Communication Interface		Two Serial: DB9 and DIN9 (2400, 4800, 9600, 19200 baud)
		Options:
		-Centronics
		-External I/O Interface
		-External Twinax to Parallel
		-External Ethernet to Parallel BNC
		-External Ethernet to Parallel RJ45
		-Internal Ethernet Interface
Media Sensors		Transmissive (gap or notch), Reflective (black mark)
Panel Switches		FEED, PAUSE
LEDs		POWER, ONLINE, ERROR
		Optional Keyboard Module (KB-80-QM)

PRINT AREA

Length	Continuous		15 mm to 500 mm
	Strip		21.4 mm to 500 mm
	Cut	Tag	23.4 mm to 500 mm
		Label	22.0 mm to 500 mm
Width			10.0 to 105.7 mm

MEDIA

Width			47 mm to 114 mm
Length	Continuous		8 mm to 999 mm
	Strip		23.4 mm to 999 mm
	Cut	Tag	24.0 mm to 999 mm
		Label	24.0 mm to 999 mm
Thickness	Tag		100 μm to 170 μm
	Label		100 μm to 170 μm
Outside Diameter (Max)			152 mm
Core Inside Diameter			38, 40, 42, 76.2 mm
Gap between labels			2.0 mm to 20 mm
Black Mark Length			2.0 mm to 10 mm (black mark is printed on the back side)

RIBBON

Width	60, 90, 110 mm
Length (Max)	300 mm
TEC Models	TEC Authentic I (Wax)
	TEC Authentic II (Resin)
	TEC Authentic III (Premium Resin)

FORMAT

Characters	Built-in Fonts	Bit map font: 20 types (Times Roman, Helvetica, Presentation, Letter Gothic, Prestige Elite, Courier, OCR-A, OCR-B) Outline fonts: TEC Helvetica, TEC Helvetica Proportional, Times Roman, 3 Price Fonts, Brush
Programmable Logos & Fonts	Downloadable to Internal 2 MB Flash ROM True Type Fonts	
Rotation	0°, 90°, 180°, 270°	

FORMAT

Bar Codes	One Dimensional	JAN8, JAN13, EAN8, EAN13, UPC-A, UPC-E, EAN8+2, EAN8+5, EAN13+2, EAN13+5, UPC-A, UPC-A+2, UPC-A+5, UPC-E, UPC-E+2, UPC-E+5, MSI, ITF, NW-7, CODE39, CODE93, CODE128 (subset a, b, c), UCC/EAN 128, Industrial 2 of 5, POSTNET, RM4SCC, KIX

	Two Dimensional	MaxiCode, PDF417, QR Code, Datamatrix
	Rotation	0°, 90°, 180°, 270°
Line		Line, Rectangle, Ellipse
Graphic		BMP, TOPIX Compression, 1 to 1 Bit Map, PCX
Language		TPCL2

MEMORY

Flash ROM	2 MB
EE PROM	128 Kbytes
D-RAM	2 MB

FUNCTIONS

Thermal Head broken dots check	N/A
On-the-fly format	Standard (Automatic)

OPTIONAL EQUIPMENT

Cutter Module (B-7204-QM)
Strip Module (B-7904-H-QM)
External Twinax to Parallel (B-4850-ETP-LP)
External Ethernet to Parallel BNC (B-4850-EEP-LP)
External Ethernet to Parallel RJ45 (B-4851-EEP-LP)
Internal Ethernet Interface (B-7704-LAN-QM)
Centronics Interface (B-7704-C-QM)
External Rewinder (B-RW01-LP)
Expansion I/O Interface (B-7704-IO-QM)
Keyboard Module (KB-80-QM)
External Label Holder (B-7604-LP)

ENVIRONMENTAL REQUIREMENT

Operating	Temperature	5 to 40 °C
	Humidity	25 to 85% RH
Storage Temperature		-40 to 60 °C
	Humidity	10 to 90% RH

ELECTRICAL

Power Supply		100 to 120 V 60 Hz
Standards	Safety:	UL, C-UL, Taiwan EMC
	Radio Interference:	CE Class A, FCC Class A

EXTERIOR

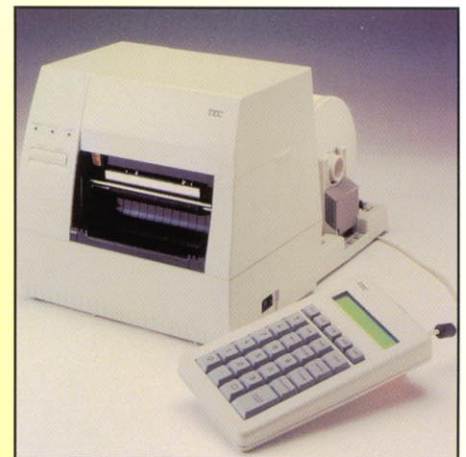|		
Cover		ABS Plastic
Dimensions		245 (H) x 270 (W) x 200 (D) mm
Supply Roll Holder		External with Rotating Mounted Holders
Operation Panel		ABS Plastic
Color	Cover	Light Cream
	Panel	Light Cream
Weight		4.7 Kg (Without media and ribbon)

ACCESSORIES

Owner's Manual on CD ROM, Power Cord, Print Head Cleaner, Supply Holder
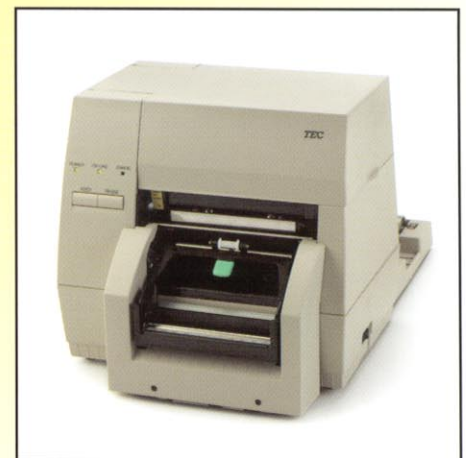
SOFTWARE

Windows Drivers 3.1, 95, 98, NT 4.0 (Downloadable from www.tecamerica.com) (Not included with printer)

Internal View

Keyboard Module

Strip Module

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