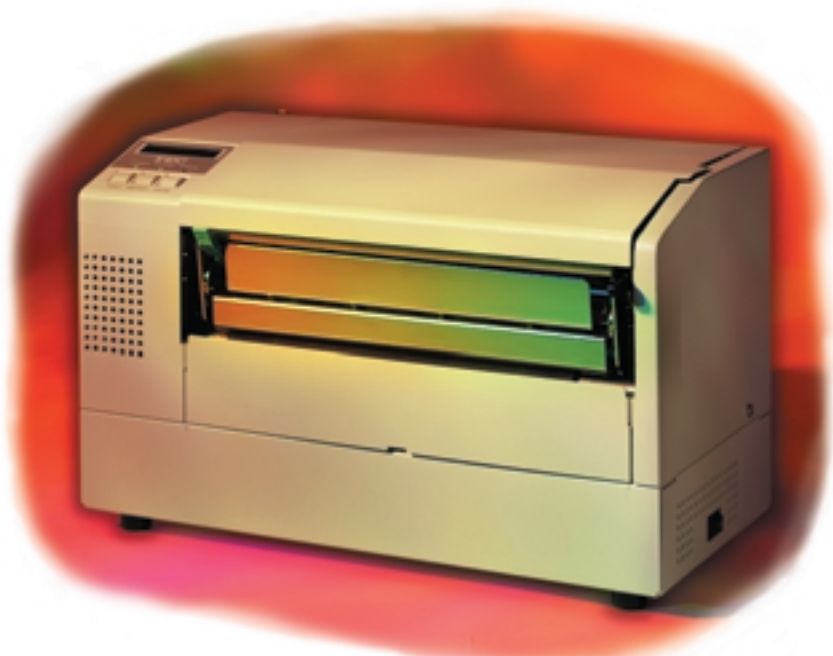# TEC B-852 Thermal Printer

Superior Features!
Affordable!
Optimal Customization!

■ Highly Flexible Desktop Printer

TEC's B-852 is one of the most versatile wide format printers on the market. The B-852 has a maximum printing width of 216.8 mm (8.5 inches). An extensive options list in addition to the many standard features allows the B-852 printer to meet all your printing requirements. The optional PCL-5 kit allows the B-852 to be used like a laser printer. The Web function allows the B-852 seamless interaction with the entire network. The wide format printer can be utilized over a wide range of office, manufacturing, and drum labeling applications. TEC, a member of Toshiba Group, is ISO-9002 certified.

■ Options

The B-852 has a variety of options to make it a complete printing solution. The external keyboard attachment allows the printer to be used as a stand-alone to accomplish simple labeling tasks. The optional PCMCIA interface allows the user to store more logos, fonts, and label formats on the PCMCIA memory cards. The user can optimize the networking capabilities of the B-852 through the PCMCIA Ethernet LAN card. The B-852 is the printer of choice when scalability and integration are the primary concerns.

■ Compact and Reliable

The compact and clutter-free construction of the B-852 makes it the ideal printer when space is limited. The quietness of the printer will allow the B-852 to cross over into the retail and office environment.The protective metal casing allows the printer to function in the harshest manufacturing environment. The new CPU coupled with a faster data processing clock insures top quality prints in the shortest amount of time. The B-852 is the perfect fit for applications where high-end printers are cost prohibitive and low-end printers can not handle the job.

■ Feature Rich

Standard features include a high-resolution 300 DPI print head with print speeds up to 4 inches per second. The B-852 can handle any media width from 3.9 inches up to 9.5 inches. Standard interfaces include the RS-232C, and the Centronics interface, making the B-852 the best in its class. TEC's wide mouth printing 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-852 is the right decision.

■ User Friendly

The B-852 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. The Windows® driver allows the user to control and manipulate the printer in an easily maneuverable GUI (graphical user interface) environment. The hardware encompasses TEC's standard use of green operating cues. The green operating cues empower the operator to properly work the printer confidently. Along with simple ribbon and media loading the B-852 is a low maintenance printer. The snap-in print head design, which is user replaceable, means less down time and more productivity. The B-852 exceeds all market standards of functionality and reliability of a wide format printer.

TEC
Toshiba Group

WIDE PRINTING WIDTH AND OTHER ADVANCED FEATURES for EASE OF USE...

■ Self-Centering Paper Media Guide

This rack and pinion mechanism takes the guesswork out of loading media. It automatically adjusts labels from the center outward to ensure proper media loading.

■ Center Loaded Media

TEC's exclusive center loaded media path means media is pulled through evenly and uniformly. As a result, print head pressure is equal from edge to edge, producing a sharp, clear and consistent print quality across the full width of the media.

■ Rugged and Attractive Metal Construction

The B-852's rugged metal exterior construction is tough enough for warehouses yet attractive enough for retail stores and office environments.

■ Warranty

As a member of the Toshiba Group, our printers are built with the quality and reliability you expect from the world's leading printer manufacturer. The B-852 carries TEC's standard 1-Year Warranty on parts. The print head is guaranteed for two million linear inches or 1-year, whichever comes first.

TECHNICAL SPECIFICATIONS
B-852 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	Batch/Cut mode
Media Alignment	Center Loaded
Communication Interface	Serial interface: (standard RS-232C)
	Parallel interface (standard Centronics)
	PCL5 interface (optional B-7708-PCL-QM)
	PCMCIA interface (optional B-7708-PC-QM)
	Expansion I/O interface (optional B-8700-IO-M)
Media Sensors	Transmissive (gap or notch),
	Reflective (black mark) (2) top,bottom
Panel Switches	FEED, PAUSE, RESTART
LEDs	POWER, ONLINE, ERROR
LCD	16 characters
	Optional Keyboard Module (KB-80-QM)

EFFECTIVE PRINT AREA

Length	Continuous	11 mm to 640 mm (Label) 13 mm to 640mm (Tag)
	Cut Tag	23.4 mm to 640 mm
	Label	23.0 mm to 640 mm
Effective Print Width		10.0 to 216.8 mm

MEDIA

INSIDE WOUND	BATCH MODE	CUT MODE
Width inclu. backing paper	100 mm to 242 mm	100 mm to 235 mm
Thickness Tag	0.08 mm to 0.18 mm	0.08 mm to 0.18 mm
Label + backing	.13 mm to .18 mm	.13 mm to .18 mm
MEDIA PITCH		
Label	15 mm	38 mm
Tag	N/A	5.4 mm
Gap between labels	2.5 mm to 20 mm	6 mm to 20 mm
Label length	min 12.5 mm	min 32 mm
Outside diameter (MAX)	230 mm	
Inside core diameter	76.2 mm	

RIBBON

Width		120 mm to 220 mm
		Recommended 165 mm to 220 mm
Length (Max)		300 mm
TEC Models		
	Standard	TEC Authentic I (Wax)
	Value +	TEC Authentic II (Wax / Resin)
	Premium	TEC Authentic III (Resin)

FORMAT

Characters	
Available Bar Codes Types	JAN8, JAN13, EAN8, EAN8+2 digits, EAN8+5 digits, EAN13, EAN13+2 digits, EAN13+5 digits, UPC-E, UPC-E+2 digits, UPC-E+5 digits, UPC-A, UPC-A+2digits, UPC-A+5 digits MSI, ITF, NW7, CODE 39, CODE 93, CODE 128 EAN128, Industrial 2 to 5, Consumer Bar Code, POSTNET
Available Two Dimesional Codes	Data Matrix, PDF417, QR code, Maxi Code, Micro PDF417
Available Bar Fonts	Times Roman (6 sizes), Helvetica (6 sizes), Presentation (1 size), Letter Gothic (1 size), Prestige Elite (2 sizes), Courier (2 sizes), OCR (2 sizes), Outlne fonts (3 types), Price fonts (3 types)
Rotation	0°, 90°, 180°, 270°
Lines	Line, Rectangle, Ellipse
Graphics	BMP, TEC internal, PCX
Language	TPCL2

OPTIONAL

20 Downloadable True Type Fonts available

MEMORY

Flash ROM	4 MB (2 x2MB)
SDRAM	8MB (1 x 8MB)

OPTIONAL EQUIPMENT

PCL5 interface (optional B-7708-PCL-QM)
PCMCIA interface (optional B-7708-PC-QM)
Expansion I/O (optional B-8700-IO-QM)
Optional Keyboard Module (KB-80-QM)
Cutter Module B-7208-QM

ENVIRONMENTAL REQUIREMENT

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

ELECTRICAL

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

EXTERIOR

Cover		Industrial Strength Metal
Dimensions		243 mm (H) x 385 mm (W) x 7.2 mm (D)
Supply Roll Holder		External w/Rotating Mounted Holder
Operation Panel		ABS Plastic
Color	Cover	Light Cream
	Panel	Light Cream
Weight		15.6 Kg

ACCESSORIES
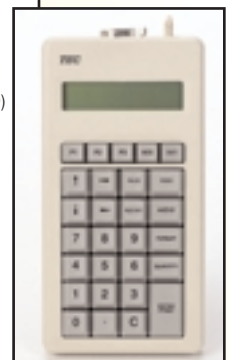
Owner's Manual, Power Cord, Print Head Cleaner, Supply Holder

SOFTWARE

Windows 95/98 driver, NT 4.0 downloadable from
WWW.TECTPD.COM

PCL-5 Kit

KB-80-QM

Guillotine Cutter B-7708-QM

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