

PRODUCT SPECIFICATION

STANDARD FEATURES

Dimensions: Height 12.5" (318mm)
 Width 12.0" (305 mm)
 Depth 13.0" (330 mm)
 Weight 29 lbs. (13 kg)
 Shipping Weight 33 lbs. (15 kg)

w/Optional Metal Cover: (318 mm) x 17.3" (439 mm)
(H x W x D) Weight - 40 lbs. (18 kg)
 Shipping Wt. - 45 lbs. (21 kg)

Printhead: 4.0" (102 mm/812 dots)
 203 dots/inch (8.0 dots/mm)

Buffers Available (1280K Total): Transmit, Receive, Image, Internal, Format, Downloadable Fonts, Scalable Fonts (All buffers except Internal are user definable.)

PC/Host Interface: Asynchronous RS-232C
 None, XON/XOFF, CTS, or DTR flow control
 1200, 2400, 4800, 9600, 19200, or 38400 Baud
 ASCII Data transmission code
 IEEE-1284 Parallel

Standard Fonts: Standard, Reduced, Bold, OCRA-like, CG Triumvirate, CG Triumvirate Bold*

*Also available as a scalable font.

Font Magnification: 1x to 7x
 4 to 90 pt. for scalable font

Print Ratio: 30% black maximum per square inch

Standard Bar Code Symbolologies:

This printer also prints high-density bar codes and bar codes in the serial direction.

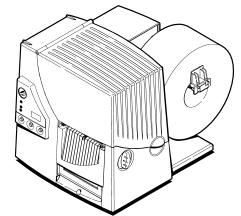
Barcode Type	Narrow to Wide Ratio	%Density or CPI	Narrow Element (dots/mils)	Data Length
UPCA +2/+5	1:1.0	76%, 114%	2/9.9, 3/14.8	11 or 12, 14/17
UPCE +2/+5	1:1.0	76%, 114%	2/9.9, 3/14.8	6 or 7, 9/12
EAN8 +2/+5	1:1.0	76%, 114%	2/9.9, 3/14.8	7 or 8, 10/13
EAN13 +2/+5	1:1.0	76%, 114%	2/9.9, 3/14.8	12 or 13, 15/18
Interleaved 2 of 5	1:30	1.1, 3.2, 5.6, 7.5, 11.0, 11.2	21/103.4, 7/34.5, 4/19.7, 3/14.8, 2/9.9, 2/9.9	0 to 2710
	1:2.5	2.1, 4.2, 6.3, 12.7	12/59.1, 6/29.6, 4/19.7, 2/9.9	
	1:2.3 1:2.0	8.8 9.6, 14.5	3/14.8 3/14.8, 2/9.9	
Extended Code 39	1:30	4.2, 6.3, 12.7*	3/14.8, 2/9.9, 1/4.9	0 to 2710
	1:2.5	1.4, 1.7, 3.5, 7.0	10/49.3, 8/39.4, 4/19.7, 2/9.9	
	1:2.2 1:2.0	3.0 3.9	5/24.6 4/19.7	
Codabar (NW7)	1:3.0	2.1, 8.4	8/39.4, 2/9.9	0 to 2710
	1:2.5	3.0, 4.6, 9.2	6/29.6, 4/19.7, 2/9.9	
	1:2.0	5.1, 10.1	4/19.7, 2/9.9	
Code 128	1:1.0	3.7/7.4, 4.6/9.2, 6.1/12.3, 9.2/18.4	5/24.6, 4/19.7, 3/14.8, 2/9.9	0 to 2710
Code 93	N/A	3.7	6/29.6	0 to 2710
		4.5	5/24.6	
		5.6	4/19.7	
		7.5	3/14.8	
		11.2	2/9.9	
MSI	1:2.5	7.2	2/9.9	0 to 2710
	1:2.0	4.2, 5.6	4/19.7, 3/14.8	

* Parallel bar codes only for special application.

Barcode Type	Aspect Ratio	Security Level	Element Width (dots/mils)	Row Height (dots/mils)	Data Length
PDF417	1:1.0	0-8	2/9.8, 3.14/8, 4/19.7	2/9.8, 3.14/8, 4/19.7	0 to 2709
	1:2.0		2/9.8, 3.14/8, 4/19.7	4/19.7, 6/29.6, 8/39.4	
	1:3.0		2/9.8, 3.14/8, 4/19.7	6/29.6, 9/44.3, 12/59.1	

**Monarch®
9830® Printer**

TABLETOP PRINTER
 THERMAL DIRECT OR TRANSFER
 ON-DEMAND OR CONTINUOUS
 PEELS LABELS
 PRINTS PERFORATED TAGS OR LABELS
 OPERATES ONLINE
 PRODUCES 4" X 16" IMAGES



**Monarch®
PAXAR**

In our ongoing effort to deliver the best technology, specifications are subject to change without notice. A copy of the applicable written Monarch warranty statement is available upon request.

Barcode Type	Data Length	Density Selector	Element Width (dots/mils)	Row Height (dots/mils)	Short Element (dots/mils)
Postnet	0, 5, 6, 9, 11	0 (fixed at 4.3 cpi)	4/19.7 (5 dot gap)	24/118.2	10/49.3
MaxiCode	99	7	N/A	N/A	N/A

SUPPLIES

Only Monarch® supplies are recommended; use thermal direct stock or thermal transfer stock with ribbon. Die cut, black mark, and perforated tag supplies are available. For high-density and serial bar codes, Monarch "premium" supplies are recommended. Use non-perforated supplies for peel mode.

Supply Sizes: Widths - 1.2" to 4.0" (31 mm to 102 mm)
 Lengths - 0.5" to 16" (13 mm to 406 mm)
 Supply roll length is 7,872" (200 meters).

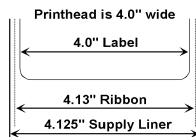
Maximum Print Area: 4.0" x 16.0" (102 mm x 406 mm)

Ribbon Widths: 1.3" (33 mm), 1.6" (41 mm), 2.16" (55 mm), 3.15" (80 mm), 4.13" (105 mm)

High energy TUFFMARK® ribbons are available in 2" or 4" widths.
 Ribbon roll length is 23,616" (600 meters).

ABOUT RIBBONS

The width of the ribbon must be greater than the supply width. Since some supplies are more abrasive to printheads than others, using a ribbon wider than your supply helps protect the printhead. Replacement printheads are expensive.



ENVIRONMENT RANGES

Temperature: Operating Thermal Transfer: 40° to 95° F (4° to 35° C)
 Operating Thermal Direct: 40° to 104° F (4° to 40° C)
 Storage: 15° to 120° F (-10° to 49° C)

Humidity: Operating and Storage: 5% to 90% non-condensing

Electrostatic Discharge and Air Quality:

Some problems with electronic equipment may occur in environments prone to static discharge or extreme dust conditions. Monarch suggests that you take precautions to minimize these problems.

PERFORMANCE

Power: U.S. - 115 V/60Hz, 250 Watts nominal
 International - 230 V/50 Hz or 100 V/50 Hz

Printing Rate: 2.5" (64 mm) per second (default for serial bar codes)
 4.0" (102 mm) per second
 6.0" (152 mm) per second (default for parallel bar codes)

Serial bar codes printed at speeds greater than 2.5 inches per second may not scan properly.

Printer Warranty: One (1) year parts and one (1) year labor

Printhead Warranty: 1 million inches or six months, whichever occurs first. 100,000 inches with High Energy Ribbon.

OPTIONS

- ◆ Internal Coax/TwinAx Protocol (Part#117532, Service-installable)
- ◆ LAN Print Server- Supports Ethernet, AppleTalk, IPX, NetBios/NetBEUI, TCP/IP. RJ-45 Connector (10 Base T, Part#11753101) or BNC Connector (10 Base 2, Part#11753102)
- ◆ Printhead Assembly Kit (Part# 11797101, 03, 06; available as 1, 3, or 6 printheads)
- ◆ High Energy Ribbon (TUFFMARK)
- ◆ Ribbon Take-Up Core (Part# 11796120, 30, or 40; available in 2", 3", or 4" widths)
- ◆ Metal Cover
- ◆ M00918™ Verifier
- ◆ Tear Bar