PRODUCT SPECIFICATION

Monarch® 9805™ Printer

STANDARD FEATURES

Dimensions: Height 13" (330 mm)
Width 12" (305 mm)
Depth 13" (330 mm)
Weight 26 lbs. (12 kg)
Shipping Weight 30 lbs. (13.6 kg)

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

PC/Host Interface: Asynchronous RS-232C
None, XON/XOFF, CTS, or DTR flow control
1200, 2400, 4800, 9600, or 19200 Baud
ASCII Data transmission code
Centronics® adapter cable (connects to serial port available with certain models)

Buffers Available (195K Total): Transmit (1K), Receive (8K), Image (134K), Internal, Format (32K), and Downloadable Fonts (20K)
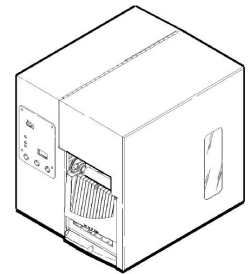
Standard Fonts: Standard, Reduced, Bold, OCRA-like, CG Triumvirate, CG Triumvirate Bold

Font Magnification: 1x to 7x

Print Ratio: 30% black maximum per square inch

- TABLETOP PRINTER
- THERMAL DIRECT OR TRANSFER
- ON-DEMAND OR CONTINUOUS
- PEELS LABELS
- OPERATES ONLINE
- PRODUCES 4" X 6" IMAGES
- METAL SUPPLY HOLDER
- DURABLE DESIGN
- METAL COVER

Standard Bar Code Symbologies:

This printer also prints high-density bar codes and bar codes in the serial direction. We recommend using "premium" supplies for high-density or serial bar code applications.

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	8.8	3/14.8	
	1:2.0	9.6, 14.5	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	3.0	5/24.6	
	1:2.0	3.9	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. Code 39, density 12, produces a one-dot narrow bar. This density is intended for special U.S.P.S. ACT-tag applications only.

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PAXAR

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	

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 or thermal transfer (with ribbon) die cut supplies. Monarch "premium" supplies are recommended for

- high-density bar codes
- serial bar codes
- fonts smaller than 10 point, such as the Reduced font.

Supply Sizes: Widths - 1.2" to 4.0" (30 mm to 102 mm) Lengths -1.0" to 6.5" (25 mm to 165 mm) Supply roll length is 2,952" (75 meters).
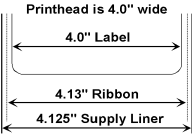
Maximum Print Area: 4.0" x 6.0" (102 mm x 152 mm)

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

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.

Printhead is 4.0" wide
4.0" Label
4.13" Ribbon
4.125" Supply Liner

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 (Universal): U.S. - 115 V/60Hz, 250 Watts nominal and International - 230 V/50 Hz

Printing Rate: 2.5" (64 mm) per second default for serial bar codes and use for narrow labels with on-demand printing 4.0" (102 mm) per second for thermal direct, peel mode, and on-demand printing 6.0" (152 mm) for thermal transfer only

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

Printhead Warranty: One million inches or six months, whichever occurs first.

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

Contact your Monarch representative for a copy of the complete warranty.