P R O D U C T   S P E C I F I C A T I O N

STANDARD FEATURES

Dimensions: Height - 9" (229 mm)
Width - 10" (254 mm)
Depth - 16.5" (419 mm)
Weight - 15.5 lbs. (7 kg)
Shipping Weight - 22 lbs.
(10 kg)

Printhead: 2.2" (56 mm/448 dots)
203 dots/inch (8.0 dots/mm)

Display: 2 Line LCD, 16 Char. per line

Keypad: 21 Keys

PC/Host Interface: Asynchronous RS-232C
XON/XOFF, CTS or DTR flow control
1200, 2400, 4800, 9600, 19200 Baud
ASCII Data transmission code

Buffers Available (256K total): Transmit, Receive, Formats, Images, Internal, and Downloadable Fonts (All buffers except Internal are user definable.)

Character Sets Available:
- Monarch Internal
- ANSI
- DOS Code Page 437
- DOS Code Page 850

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

Font Magnification: 1x to 7x

Print Ratio: 30% black maximum per square inch

Foreign Languages: French, German, Spanish
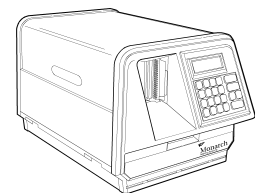
COMPACT TABLETOP PRINTER

THERMAL DIRECT OR TRANSFER

OPERATES ONLINE OR STAND-ALONE

PRODUCES 2" x 6" IMAGES

Standard Bar Code Symbologies:

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	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 only for special application.

Monarch®

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)	Tall Element (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 transfer stock with ribbon or thermal direct stock. For high density and serial bar codes, Monarch "premium" supplies are recommended.

Supply Sizes: Widths - .75" to 2.2" (19 mm to 56 mm)
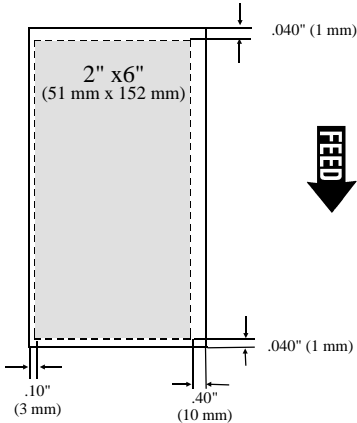Lengths - .75" to 6" (19 mm to 152 mm)

Supply Thickness: 6 to 12 mils

Ribbon Widths: 1.26" (32 mm), 1.56" (40 mm), 2.12" (54 mm), 2.25" (57 mm)

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.

Maximum Print Area for Maximum Supply Size:

PERFORMANCE

Power: U.S. - 115 V/60 Hz., 80 Watts nominal
International - 220 V/50 Hz

Printing Rate: 2.0" (51 mm) per second

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

Printhead Warranty: 1 million inches or six months, whichever occurs first.

ENVIRONMENT RANGES

Temperature: Operating Thermal Transfer: 40° to 95° F (4° to 35° C)

Operating Thermal Direct: 40° to 110° F (4° to 43° 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.

Contact your Monarch representative for recommended precautions.