



POLYTRONIX, INC.

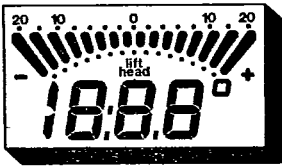
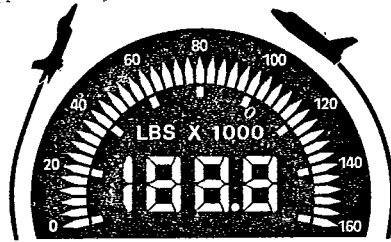
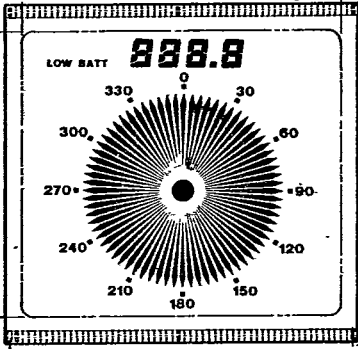
LEADING THE WAY IN DISPLAY TECHNOLOGY

STANDARD AND CUSTOM LIQUID CRYSTAL DISPLAYS

- U.S. ENGINEERING
- U.S. MANUFACTURING
- FAST PROTOTYPES
- VOLUME PRODUCTION

Polytronix, Inc. specializes in the manufacturing of both twisted nematic (TN) and Advanced Phase Change (P-C) Dichroic Liquid Crystal Displays. The LCDs are available in both standard and custom designs. Our volume production facility is backed up by in-house design capability and extensive R & D activities. We are committed to deliver quality products on time and provide the best technical service in the LCD industry.

Our R & D efforts have led to many breakthroughs in display (aesthetics), light control in instrumentation, new display technologies, and plastic LCDs. Technical strength has made Polytronix a leader in the LCD industry and allows us to stay on the leading edge of LCD technologies and manufacturing. Our products have proven to have the best quality and reliability when operating under many different environmental conditions in the areas of consumer goods, computer products, industrial instruments, automotive, avionics, medical and military applications.



STANDARD DOT MATRIX DISPLAYS

Part #	No. of Display Character	Character Format	Character Dimension	Over All Glass Dimension
PI-13	16 x 1	5 x 7 + Cursor	Width x Height 0.15" x 0.15"	3.2" x 1.2"
PI-74	55 x 1	5 x 7 + Cursor	0.1" x 0.15"	7.325" x 0.6"
PI-42	40 x 2	5 x 7 + Cursor	0.15" x 0.2"	6.35" x 0.9"

BASIC PRODUCT SPECIFICATION

PARAMETERS	TWISTED NEMATIC			P-C DICHOIC			UNITS
	MIN	TYP	MAX	MIN	TYP	MAX	
OPERATING VOLTAGE	2.5	5	15	24	28	35	VRMS
D C COMPONENT			25			25	MV
OPERATING CURRENT/Isq. in.		2	10		2	10	UA
OPERATING FREQUENCY	32	60	100	32	60	100	HZ
RESPONSE TIME AT 25°		35			50		MS
OPERATING TEMPERATURE	-40 *-55		90 90	0 *-55		90 90	°C
STORAGE TEMPERATURE	-40 *-60		90 90	-40 *-60		90 90	°C
CONTRAST RATIO (REF)				20:1			
EXPECTED LIFE				50,000			HR
ENVIRONMENTAL TEST (50°C/95% RM)				1,000			HR

*WITH HEATERS

*SPECIAL ORDER

STANDARD LCDs .5" Character Size

PART #	DISPLAY	DESCRIPTION	GLASS SIZE Width X Height
PI 84		3½ DIGITS With Bat	2.0 X 1.2
PI 126		3½ DIGITS	2.0 X 1.2
PI 119		4 DIGITS	2.0 X 1.2
PI 138		4½ DIGITS	2.0 X 1.2
PI 124		6 DIGITS	2.75 X 1.2

STANDARD LCDs .7" Character Size

PART #	DISPLAY	DESCRIPTION	GLASS SIZE Width X Height
PI 71		3½ DIGITS	2.75 X 1.5
PI 129		4 DIGITS	2.75 X 1.5
PI 357		4½ DIGITS	2.75 X 1.5
PI 133		5 DIGITS	3.20 X 1.5
PI 131		6 DIGITS	3.69 X 1.5

All Parts Available in Either Pinned or Elastomeric Connectors

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