

LTx 2000 SERIES TICKET PRINTERS



**Cost-Effective Printing Solutions
For Ticketing Systems**



PRACTICAL AUTOMATION, INC.

LTx 2000 SERIES

LTx 2000 series is a family derivative of Practical Automation's successful, high performance Model ETX™ series printers. Smaller and lower priced, LTx 2000 series is an attractive, practical choice for low to moderate ticket printing applications ... university box office, sporting events, cinemas, local theaters, social events, churches, etc. It is offered in desktop and vertical mount versions, with ticket widths of 2 or 3.25 inches. Ticket stock is self-loading and printed tickets are dispensed using a tearbar.



The μ LTx 2000 has a very small footprint

Features:

- Compact Size
- Automatic Ticket Loading
- High Print Speed — 3.5 inches/second
- Ticket Jam Detector
- WYSIWYG Windows™ Driver



The pLTx2000 mounts flush on a countertop



All The Performance You Need - At A Price You Can Afford!

In performance the LTx 2000 series rates right up there with its bigger brother. It utilizes the same simple programming language compatible with application software written for popular industry standards.

You can expand and rotate printed characters as you wish. There is a choice of twelve resident fonts and seven resident bar codes. PCX file-supported graphics and line and box drawing can be used to enhance the appearance of the printed ticket. The standard interface is Centronics™ compatible parallel. Series RS232C with low paper input is available as an optional interface adapter.

Innovated, focused design makes the LTx 2000 series very cost effective — it comes with a price tag significantly lower than competitive product offerings, thereby setting an industry standard for price/performance.

The PS 55-14 Power Supply is small and can be removed from the printer



Small, But Tough!

Meticulous attention to reliability and maintainability has gone into the design of the LTx 2000 series. Rugged construction enables it to stand up to rough, real-world conditions. Advanced technology and modular construction assure long, trouble-free operation.

Field maintenance and system setup have been simplified through built-in diagnostics and panel switch entry of setup data.

User Friendly Programming

Scaleable internal fonts and bar codes are selected by sending the corresponding command codes to the printer. The LTx 2000 is also supported by an available Windows™ compatible driver. This unique driver is designed to take advantage of the applications, flexibility, and easy programming features of Windows™, including the printing of True Type fonts and graphics.

Convenient, Practical Packaging

LTx 2000 series consists of two modules: a printer module and a power supply module. All operating power for the printer module is supplied by the universal input, regulated, switching power supply module through a four-foot power cable. With its smaller footprint, the printer module is more easily integrated into ticket printing systems. The power supply module can be mounted out of sight, even remotely located.



Tickets can be easily loaded

Specifications All specifications are subject to change without notice.

Printing Method:	Direct thermal	Image Data RAM:	1/2 meg. byte
Printhead:		Input Data Buffer:	22 kb circular
Dot Density	203.2 DPI (8 dots/mm)	Interface:	
Dot Size	0.005 in. (0.125 mm)	Parallel	Centronics compatible parallel
Ticket Width:		Serial*	RS232C; 2400, 4800, or 9600 Baud
μ LTX-2002 or pLTX-2002	2.0" \pm 0.016 (50.8 mm \pm 0.41)	Auxiliary Serial*	Transparent mode operation
μ LTX-2003 or pLTX-2003	3.25" \pm 0.016 (82.6 mm \pm 0.41)	Flow Control	BUSY or Xon/Xoff
Print Width:		Parity	Odd, even, or none
μ LTX-2002 or pLTX-2002	2.0" (50.8 mm) max., 1.8" (45.7 mm) typ.		<i>*With Optional Adaptor</i>
μ LTX-2003 or pLTX-2003	3.15" (80 mm) max., 3.05" (77.5 mm) typ.	System Setup Parameters:	User-friendly switch panel entry of setup data into EEPROM memory
Ticket Length:	2.0" min; 10.1" max.	Environment:	
Print Length:	10.1" max.	Temperature	+5°C to +40°C operating -5°C to +65°C storage
Print Speed:	3.5 in/sec (88.9 mm/sec) max.	Humidity	20 to 85% relative, non-condensing
Paper Feed:	Friction	Regulatory Compliance:	
Detectors:	Paper/registration (photo optical), Printhead temperature (thermistor), Printhead up detect (mechanical switch), Paper jam detect (mechanical switch)	EMI	FCC Class A compliance
Indicators:	Power/Paper, Attention/Error, Ready	Safety Listings	UL-1950, CAN/CSA C22.2 No. 950, IEC-950 (pending).
User Switches:	Power On/Off, Select(F0), Test(F1), Line Feed(F2), Ticket Feed (F3)	Printer DC Input Voltage:	24 V DC
Power Requirements:	Provided by model PS55-14 external power supply.	Printer DC Input Current:	8 amps peak (LTX 2002) 11.1 amps peak (LTX 2003) 2.3 amps average (long term)
Paper Separation:	Tearbar	PS-55-14 Power Supply AC Power Input:	85 to 264 VAC, 47 to 65 Hz
Resident Fonts:	5 x 7, 8 x 16, 17 x 31 (OCRA), 17 x 31 (OCRB), 5 x 9 (OCRA), 30 x 52 (OCRB), 18 x 30 (Courier), 13 x 20 (OCRB), 25 x 41 (Bold Prestige), 25 x 49 (Script), 46 x 91 (Orator), 20 x 40 (Courier)	PS-55-14 Power Supply AC Input Current:	1.5A (rms) at 115 VAC 0.9A (rms) at 230 VAC
Resident Bar Codes:	Code 39, Interleaved 2 of 5, EAN 13, EAN 8, UPC, USS-CODABAR, and Code 128, normal or expandable, with or without human readable interpretation line	PS-55-14 Power Supply Output Voltage:	24 VDC \pm 3%
Character Sets:	128 element standard ASCII, German character set, OCRA, OCRB, and British pound sign	PS-55-14 Power Supply Output Power:	55 watts max. average
Graphics:	Dot addressable, graphic and box and line draw, PCX file support.	Dimensions:	
Programmable Features:	Character size, character rotation, inverse printing	Desktop Model μ LTX 200x	8" long x 6.65" wide x 5.25" high
Image Data RAM:	1/2 meg. byte	Verticle Panel Mount pLTX 200x	7.87" long x 7.50" wide x 6.0" high
		Power Supply PS55-14	6.97" long x 3.74" wide x 2.35" high

Ordering Information

Prefix	Suffix	Interface	Power Supply	Download Memory
<p>ρ = vertical mount</p> <p>μ = desktop</p>	<p>2 = 2" ticket width</p> <p>3 = 3.25" ticket width</p>	<p>P = Parallel</p> <p>S = Serial</p>	<p>0 = None</p> <p>1 = US with line cord</p> <p>2 = International without line cord</p>	<p>0 = None</p> <p>1 = Static RAM 32 K</p> <p>2 = NVRM 32 K</p>

Example:

μ LTX2003S-10 = LTX desktop with 2.00" ticket width, serial interface and standard US power supply. No download memory.

Separate Components:

PS55-14:	Universal Input Power Supply (85 - 264 VAC) with 115 VAC line cord
PS55-14E:	Universal Input Power Supply (85 - 264 VAC) without line cord
SI-9LP:	Serial Interface Adapter with Low Paper Input Connector

Accessories:

LS-09:	Serial Data Cable (DB-9P to DB-9S One to One Wiring)
LP-25:	Parallel Data Cable (DB-25P to DB-25S One to One Wiring)

Ticket Stock:

TS-725:	2.0"W x 5.5"L, pkg 1000/bundle, fanfold
TS-724:	2.0"W x 4.0"L, pkg 1000/bundle, fanfold
TS-735:	3.25"W x 5.5"L, pkg 1000/bundle, fanfold
TS-732:	3.25"W x 2.0"L, pkg 3000/bundle, fanfold



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