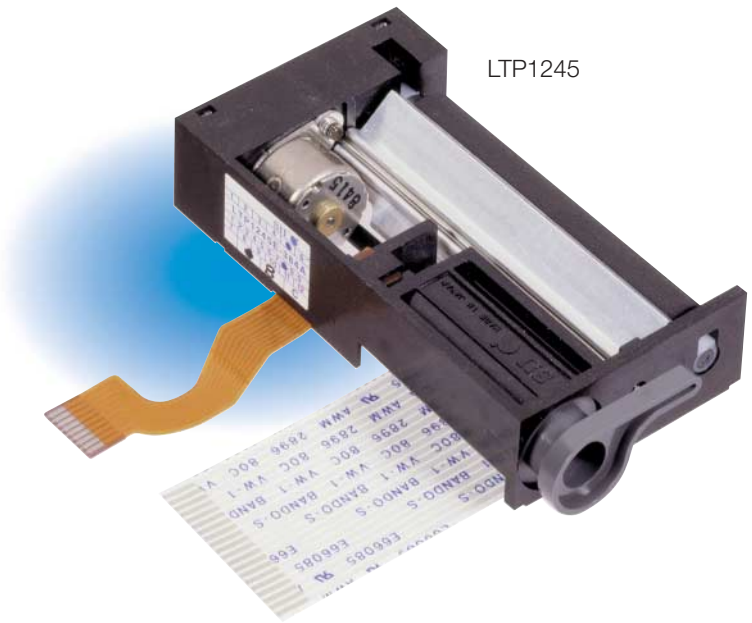
LTP Series

LTP1245 PRINTER

SII Seiko Instruments

The LTP1245 is a superior thermal line printer that offers high-speed, high-resolution printing in a compact, lightweight mechanism ideal for today's 5V portable applications. Providing low-power consumption to support battery-powered operation, the LTP1245 is a maintenance-free mechanism and, with optional interface, allows for automatic paper loading. Ideal for measuring instruments, analyzers, POS, portable communications devices and more, the LTP1245 maximizes printer functionality in applications where minimizing power consumption, size and weight is a priority.

- High resolution printing (8 dots/mm)
- High speed, low voltage printing (25mm @ 5V, 62.5mm @ 8.0V)
- Low 4.2V to 8.5V power supply operation
- Compact and lightweight
- Prints on label stock
- Available with straight or curved paper path
- Thick paper printing possible on straight path
- Automatic paper loading (available with IF1001-01B interface board)
- Wide opening head for easy access
- Available with or without paper feed knob
- Wide temperature range



LTP1245

Model		LTP1245
Printing	Method	Thermal line dot system
	No. of dots/line	384
	No. of characters/line	24
	Width (mm)	48
	Resolution	8 dots/mm
	Paper feed pitch (mm)	0.125
	Speed (mm/s)	25 @ 5V, 62.5 @ 8.0V
	Speed (cl/s)	7.5 @ 5V, 12.5 @ 8.0V
Detection	Head temperature	By thermistor
	Paper out detection	By photo interrupter
	Head up detection	By photo interrupter
Dimensions (WxDxH) mm		72 X 39.5 X 16
Weight (g)		45
Power supply	Operating voltage	4.2 V to 8.5 V
	Current consumption	2.1 Max. @ 5 VDC, 3.3 Max. @ 8.0 VDC 64 dots
Service life	Pulse activation	min. 100 million pulses (12.5% print ratio)
	Abrasion resistance	50km or more
Operating temperature (°C)		-30 to +70 (wide temperature range)
Storage temperature (°C)		-35 to +75
Paper	Width (mm)	58 +0/-1
	Path	Straight or curve
	Thickness (µm)	65 ± 5
Auto cutter	ACU6205	Optional

CUTTER, INTERFACE BOARD & CPU

ACU6205 AUTO CUTTER

The ACU6205 is a compact and lightweight circular cut type automatic cutter developed for the LTP1245 thermal line printer mechanism.

- Full cut is available
- Easily mounts on printer mechanism, opens for easy maintenance

ACU6205

IF1001-01B INTERFACE BOARD FOR LTP1245 SERIES

The IF1001-01B is an interface board used specifically for the LTP1245 Series. It is equipped with 8-bit parallel and serial TTL data input terminals. The IF1001-01B brings its printing functions into full play using a wide variety of characters and function commands.

PT100P01/PT101P01 CPU FOR LTP1245 SERIES

- Prints with less current using dynamic division control in accordance with the number of dots to be activated
- Supports both parallel and serial input
- Ensures high-quality print by measuring the temperature and voltage, and adjusting the print density
- Provides a wide variety of user-defined character functions including double-width/double-height, inverse print, underlining, and character spacing control; character string
- Supports bit image graphics and characters
- Provides a ruler line function which enables ruler lines and characters to be easily superimposed
- Stamp function
- Auto paper loading function

Model	IF1001-01B
Applicable mechanism	All LTP1245 Series
CPU	PT100P01/PT500GA1
Input control method	8-bit parallel (modified Centronics)
	Serial (TTL level)
Character type	222-IBM compatible
	126-Japanese kana
Dimensions (WxDxH) mm	70.0 x 100.0 x 12.0
Weight (g)	40
Operating voltage (Vcc)	-5 VDC ± 0.5
Current consumption (Icc)	Max. 20 mA @ 5 VDC (standby)
	Max. 200 mA @ 5 VDC (printing)
Operating temperature (°C)	-5 to 50
Storage temperature (°C)	-20 to 60

Model	PT100P01 / PT101P01
Applicable mechanism	All LTP1245 Series
Package form	80-pin flat package
Dimensions (WxDxH) mm	22.8 x 16.8 x 3.05
Configuration	C-MOS LSI
Input method	8-bit parallel (Centronics), Asynchronous serial
Operating voltage (Vcc)	5 VDC ± 0.5
Operating frequency (MHz)	16 ± 0.5%
Remarks	Use these CPUs and a gate array (PT500GA1) as a pair
	PT101P01 for use with auto cutter

Model	ACU6205
Cut Method	Circular cutter type
Cut width (mm)	58 mm
Cut condition	full cut
Drive voltage Motor	4.2V to 6.0V
(VDC) Detector	5V ± 10%
Starting current (A)	1.2A max.
Operating time (ms/cycle)	0.6 sec. (max.) at 6.0 V
Cut frequency (cuts/minute)	30 max.
Life (cuts)	300,000 (M.C.B.F.)
Dimensions (WxDxH) mm	81.9 x 54 x 12
Weight (g)	50
Operating temperature (°C)	0 to 50
Storage temperature (°C)	-20 to 60
Paper thickness (µm)	75

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Specifications subject to change without notice.