

Thermal Printer Mechanism

LTP2000 Series



- Max printing speed (LTP2242) : 90mm/sec
- Straight and curved path models available
- Label printing
- Support thick paper: up to 135 μ m*1
(Straight path model only)



LTP2242



LTP2342

Model	LTP2242	LTP2342	LTP2442	
Printing	Method	Thermal line dot printing		
	Number of dots/line	432	576	832
	Resolution (dots/mm)		8	
	Paper width (mm)	60 ⁺⁰ ₋₁	80 ⁺⁰ ₋₁	112 ⁺⁰ ₋₁
	Printing width (mm)	54	72	104
	Speed (mm/sec)max	90	75	
Detection	Paper path	Straight / Curved		
	Head-up	By thermistor		
	Platen position	By mechanical switch		
Power supply (V)	Out of paper	By photo interrupter		
	Operation voltage (V _{dd})	4.75 to 5.25		
	Operation voltage (V _p)	21.6 to 26.4		
Peak current (A)	Head	4.3 (26.4V / 288 dots)		
	Motor	0.5		
Service life	Pulse activation (pulse)	100 million		
	Abrasion resistance (km)	50 *1		
Operating temperature (°C)	0 to 50			
Dimensions (W x D x H mm)	85.2 x 61.4 x 27.0 *2	106.4 x 61.4 x 27.0 *2	138.2 x 61.4 x 27.0 *2	
Mass (g)	Approx.115	Approx.135	Approx.160	

Interface

Model	IF2303-01B	IF2303-01BK	
CPU	PT230P01		
Thermal printer	LTP2242,LTP2342,LTP2442		
Operating voltage (V)	Vp:21.6 to 26.4, Vcc:4.5 to 5.5		
Character matrix (H x W dots)	16 dots characters : 16 x 8, 16 x 16 24 dots characters : 24 x 12, 24 x 24		
Character type	Extended graphics character set	Yes	Yes
	Katakana character set	No	Yes
	Optional font	Yes	Yes
	Downloaded character	Yes	Yes
	User-defined character	Yes	Yes
	JIS 1&2 level kanji	No	Yes
Communication interface	Parallel, Serial (C-MOS)		
Dimensions (W x D x H mm)	90.0 x 100.0 x 22.0		

CPU

Model	PT230P01
Thermal printer	LTP2242,LTP2342,LTP2442
Package form	128pin QFP
Operating voltage (V)	Vp:21.6 to 26.4, Vcc:4.5 to 5.5
Operating frequency (MHz)	18.43 +/- 0.5%
Configuration	C-MOS LSI
Communication interface	Parallel, Serial
Character type	Extended graphics character set, Other characters is available with CGs *3 or external RAM
Character matrix (H x W dots)	16dots characters : 16 x 8, 16 x 16 24dots characters : 24 x 12, 24 x 24
Dimensions (W x D x H mm)	22.0 x 16.0 x 3.1

*1 Use recommended thermal papers *2 Excluding protrusion

*3 CG ROM: Japanese, Korean

Auto cutter

Model	ACU2224	ACU2324	ACU2424	
Thermal printer	LTP2242	LTP2342	LTP2442	
Cutting	Method	Slide type		
	Paper width (mm)	60 ⁰ ₋₁	80 ⁺⁰ ₋₁	112 ⁰ ₋₁
	Paper thickness (μ m)	65 to 125 *4		
	Cutting type	Full cut / Partial cut (Leaving center point)		
	Operating time (sec/cycle)max	0.5		
	Cutting pitch (mm)min	10		
	Cut frequency (cut/min)max	30		
Operating voltage (V)	Motor	21.6 to 26.4		
	Detector (control switch)	4.75 to 5.25		
Starting current (A)	1.2			
Life (cut)	300,000			
Dimensions (W x D x H mm)	79.0 x 66.5 x 16.5	100.0 x 66.5 x 17.0	126.0 x 69.3 x 17.5	
Mass (g)	Approx.120	Approx.200	Approx.260	

*4 Use recommend thermal papers

Specifications are subject to change without notice.



Seiko Instruments GmbH
Siemensstraße 9
D-63263 Neu-Isenburg, Germany
Phone +49 6102 297 100

info@seiko-instruments.de
www.seiko-instruments.de
Fax +49 6102 297 50 100

