



Seiko Instruments

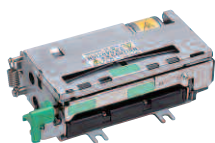
Thermal Printer Division

CAP9000 series and LTP9000 series 24V **Print** Mechanisms

CAP9000 Series and LTP9000 series

Outdoor printing applications demand rugged technology for unforgiving environments. The innovative CAP9000 series and LTP9000 series (without cutter) answer this challenge with best-in-class, durable, high-performance, compact designs, supporting 2" and 3" print widths. These dynamic 24-volt mechanisms are ideal for self-service applications including kiosks and ATMs where space is at a premium and reliability is a must. Curved and straight paper path options provide added design flexibility. And, they can accommodate very large paper rolls and a range of paper thicknesses, from receipts to tickets.

- **High speed printing (up to 250 mm/sec)**
- **Rugged design (min. 150 km print life)**
- **Small footprint**
- **Extreme temperature support (-20° to 60°C)**
- **Ideal for self-service applications**



CAP9247



CAP9347



IF9001-01P



IF9001-01S



IF9001-01U



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CAP 9000 series 24V **Print** Mechanisms

Product Specifications

Model	CAP9247	CAP9347	LTP9247	LTP9347
Method	Thermal line dot printing			
Number of dots/line	448	640	448	640
Resolution(dots/mm)	8			
Paper width (mm)	58 ^{+0.1} / 60 ^{+0.1}	80 ^{+0.1} / 82.55 ^{+0.1}	58 ^{+0.1} / 60 ^{+0.1}	80 ^{+0.1} / 82.55 ^{+0.1}
Printing width (mm)	54 / 56	76 / 80	54 / 56	76 / 80
Speed (max mm/sec)	250			
Paper path	Curved / Straight			
Head temperature	By thermistor			
Out of paper detection	By photo interrupter			
Mark position detection	By photo interrupter			
Platen position detection	By mechanical switch			
Cutter position detection	By mechanical switch			
Operating Voltage (Vdd)	4.75 to 5.25			
Operating Voltage (Vp)	21.6 to 26.4			
Head	5.9 (26.4V / 128 dots)			
Motor	1.0			
Method	Slide type			
Paper thickness (μm)	57 to 155*			
Cutting type	Full cut / Partial cut (Leave center point)			
Operating time (max sec/cycle)	2			
Cutting pitch (min mm)	10			
Cut frequency (max cuts/min)	30			
Pulse activation	150 million			
Abrasion resistance (km)	150*			
Auto-cutter (cuts)	1 million			
Operating temperature (°C)	-20 to 60			
Dimensions (W x D x H mm)	89.5 x 50.0 x 30.0**	112.0 x 50.0 x 30.0**	88.8 x 50.0 x 29.7**	111.25 x 50.0 x 29.7**
Mass(g)	Approx.240	Approx.290	Approx.150	Approx.180

*Use recommended thermal papers **Excluding protrusion

Interface Board

Model	IF9001-01U	IF9001-01S	IF9001-01P
CPU	IF9001 only		
Thermal printer	CAP9247, CAP9347		
Operating voltage (V)	Vp: 21.6 to 26.4		
Character matrix (H x W dots)	16 dot characters : 16 x 8, 16 x 16 24 dot characters : 24 x 12, 24 x 24		
Optional font	Yes	Yes	Yes
Downloaded character	Yes	Yes	Yes
User-defined character	Yes	Yes	Yes
Extend graphics character set	Yes	Yes	Yes
Katakana character set	Yes	Yes	Yes
JIS 1&2 level kanji	Yes	Yes	Yes
Interface	USB	Serial (RS-232C)	Parallel
Dimensions (W x D x H mm)	108.0 x 90.0 x 28.0		