



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



Seiko Instruments

Thermal Printer Division



CAP 9000 series 24V Print Mechanisms

Product Specifications

Model	CAP9247	CAP9347	LTP9247	LTP9347
Printing	Method	Thermal line dot printing		
	Number of dots/line	448	640	448
	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}
	Printing width (mm)	54 / 56	76 / 80	54 / 56
	Speed (max mm/sec)		250	
	Paper path		Curved / Straight	
	Head temperature		By thermistor	
	Out of paper detection		By photo interrupter	
Sensors	Mark position detection		By photo interrupter	
	Platen position detection		By mechanical switch	
	Cutter position detection		By mechanical switch	-
Power supply (V)	Operating Voltage (Vdd)		4.75 to 5.25	
	Operating Voltage (Vp)		21.6 to 26.4	
Peak current (A)	Head		5.9 (26.4V / 128 dots)	
	Motor		1.0	
Cutting	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	
Service life	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	
Character type	Optional font Downloaded character User-defined character Extend graphics character set Katakana character set JIS 1&2 level kanji	Yes Yes Yes Yes Yes Yes	Yes Yes Yes Yes Yes Yes
Interface	USB	Serial (RS-232C)	Parallel
Dimensions (W x D x H mm)		108.0 x 90.0 x 28.0	



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