

Seiko Instruments

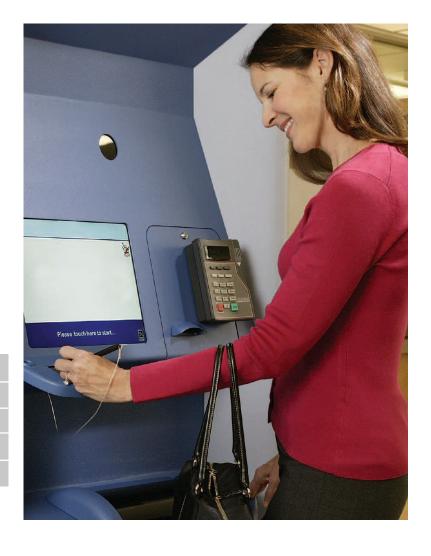
Thermal Printer Division

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**













IF9001-01S

IF9001-01U





Seiko Instruments USA Inc.

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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 | 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 | | | | | |
| Sensors | 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 - | | | | | |
| Power supply (V) | Operating Voltage (Vdd) | 4.75 to 5.25 | | | | | |
| | Operating Voltage (Vp) | 21.6 to 26.4 | | | | | |
| Peak | Head | 5.9 (26.4V / 128 dots) | | | | | |
| current (A) | Motor | 1.0 | | | | | |
| Cutting | Method | Slide type - | | | - | | |
| | Paper thickness (μm) | 57 to | | - | | | |
| | 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(9) | | 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 | | | |
| | | 16 dot characters : 16 x 8, 16 x 16 | | | | |
| Character matrix (H x W dots) | | 24 dot characters : 24 x 12, 24 x 24 | | | | |
| | Optional font | Yes | Yes | Yes | | |
| | Downloaded character | Yes | Yes | Yes | | |
| Character | User-defined character | Yes | Yes | Yes | | |
| type | 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 | | | | |



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