



Seiko Instruments

Thermal Printer Division

RP-B10 POS Printer

Reliability in high volume point-of-sale and hospitality environments is critical. Hardware failures have an immediate business impact, reducing revenue, lowering employee productivity, and creating unhappy customers.

The Seiko Instruments RP-B10 direct thermal receipt printer is ideal for the demanding workload of POS applications. Designed for durability, this heavy-duty printer rises to the challenge of high-volume print applications, yet is economical, simple to operate, and easy to integrate.

Reliability You Can Count On:

Avoid downtime and gain peace of mind. The precision engineered RP-B10 receipt printer is rigorously tested to perform day in and day out in punishing high-volume point-of-sale environments. The printer is exceptionally durable, with the service life rated for a minimum 62 miles (100 km) total printing and 1.5 million cuts, and an MTBF rating of 360,000 hours.

Exceptional Value:

Accelerate return on investment. The highly economical RP-B10 receipt printer packs tremendous value, making it the superior alternative for point-of-sale receipt printing.

Seamless Integration and Ease of Use:

Get up and running quickly. The RP-B10 receipt printer speeds integration with included printer drivers and a software development kit. An array of utilities enables you to rapidly configure the printer, add a logo or coupons, print in grayscale, add a watermark, monitor the unit, and more.

A small footprint design enables the RP-B10 receipt printer to fit in tight spaces and free up valuable real estate. Countertop, vertical, and wall-mounting options provide deployment flexibility. An intuitive LED readout gives immediate notification of printer status.



The RP-B10, with EZ-OP drop-in paper replacement, is available in onyx black and ice white.

Product Highlights

- Up to 200 mm/second print speed
- Heavy-duty design: minimum 62 miles of printing, 1.5 million cuts
- Small footprint with flexible mounting options
- Exceptional value delivering immediate ROI
- 3-year worry-free warranty



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| Model | | RP-B10 |
|----------------------------|---|---|
| Printing | Method | Direct thermal |
| | No. dots/line | 576 |
| | Resolution (dots/mm) | 8 |
| | Paper width (mm) | 58/80 |
| | Printing width (mm) | 54/72 |
| | Speed (max. mm/sec) | 200 |
| | Outside diameter of paper roll max (mm) | ø83 |
| | Inside diameter of paper roll max (mm) | ø12 |
| | Character matrix (HxW dots) | 24 x 12, 24 x 24, 16 x 8, 16 x 16 |
| | Character size (HxW mm) | 3.0 x 1.5, 3.0 x 3.0, 2.0 x 1.0, 2.0 x 2.0 |
| Type of Paper | | Roll paper |
| Character type | | Code page: 11pages, Downloaded character, User-defined character JIS 1&2 Level Kanji |
| Bar codes | | UPC-A/E, JAN(EAN)8/13, ITF, CODABAR, Code39, Code93, Code128, QR, PDF417 |
| Power supply (V) | | Specified AC adapter, External power (DC24±5%) |
| Interface | | RS-232C, USB |
| Input buffer | | 10K bytes |
| Commands | | ESC/POS™ * conformity |
| Auto-cutter | | Heavy duty slide type with partial-cut option |
| Operating temperature (°C) | | 5 to 45 |
| Service life | Abrasian resistance (km) | 100** |
| | Auto-cutter | 1,500,000 cuts |
| | MTBF | 360,000 hours |
| Dimensions (WxDxH mm) | | 150.0 x 185.0 x 139.5*** |
| Mass (g) | | Approx. 1300 |
| Compliance | | FCC, CE, VCCI |
| Accessories | | AC adapter, AC cable, wall mounting kit, vertical mounting kit |
| Cash drawer | | 2 drivers (24V / 1A) |
| Body color | | 2 models: Onyx black, ice white |
| Drivers | | Windows®, OPOS**** (For Windows® XP/Vista) |
| SDK***** | | Status API, Devmode API (For Win32 API/ .net API) |
| Utilities | | Memory switch setting LOG management USB serial ID setting Non-volatile image registration Code page registration |

* ESC/POS™: Registered trademark of SEIKO EPSON CORP.

** Use recommended thermal paper.

*** Excluding protrusion.

**** OLE POS drivers.

***** The Windows® API, informally WinAPI, is Microsoft's core set of application programming interfaces (APIs) available in the Microsoft Windows® operating systems. The Win32 API is for Windows® operating system on a 32-bit processor. The .net API is for the .net framework on Windows® operating system.

Windows® is a registered trademark of Microsoft Corporation(USA).

Specifications subject to change without notice.



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