Reliable
Precise
Easy

Easy

User friendly operation

Easy operation and maintenance.
Equipment improvements in the cabinet design allows for easier access to circulation and electrical cabinets for more efficient field installations and routine preventive maintenance.

Increase in the number of registered print data
The data memory is expanded to a maximum of 2,000 types and a group management function is also provided.

Liquid crystal touch-panel display
A 10.4-inch large-sized liquid crystal touch-panel display is installed.

Improved maintenance
Ink and filter replacement can be easily executed by opening circulation cabinet front panel.

USB memory-compatible.
"Print data" can be easily backed up using commonly available USB memory.

Brighter and clear touch screen

Intuitive touch screen.
The actual print message layout is displayed on the screen (WYSIWYG display). The printer function buttons are displayed as icons to assist in understanding the button feature.

Various parameters, such as the line configuration and font size, can be easily set on a single screen.

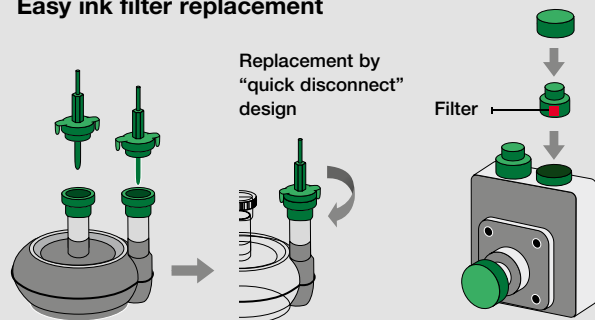WYSIWYG display

Print message settings are visually displayed

Improved ink circulation block

Filters can be easily replaced.
Printer filter assemblies can be easily accessed in the circulation cabinet front panel and replaced without use of any tools.

Easy ink filter replacement

Replacement by "quick disconnect" design
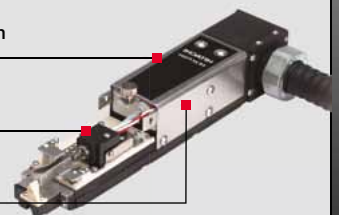
Filter

High reliability

Printhead body is made of cast aluminum for more rigidity.
Printhead is durable even when subject to severe ambient conditions, both indirectly and directly.

Improved installation characteristics
Two-way (inline/90 degrees) selection mechanism

A more efficient nozzle design to increase speed printing

Reliable: Solid aluminum frame body

Eco-friendly

AUTO power OFF function

Waiting to power OFF the printer after cleaning shutdown is eliminated.
The process between automatic nozzle cleaning and system power OFF is combined in one push button function. After daily printing is complete, the operator no longer needs to wait until after nozzle cleaning to power OFF printer.

Eco-friendly ink

Hitachi is committed to protecting our environment by providing products that are eco-friendly.
Fluids free of ‚chrome-complex dye' and also ethanol based inks are available for general purpose applications.

INNOVATION

Pursuit of high-speed and optimal print quality

Productivity is significantly improved.
High print speed capabilities allow the RX Series Printer to match production line speeds. Superior print quality is achieved by the print control engine.

Versatile Equipment Compatibility

Capable of remote connectivity with external equipment via a network function.
- RS-232C compatible transmission with speeds up to 115 kbps
- Integration with various external devices via an I/O interface (PNP/NPN)
- LAN Network integration via Ethernet, supporting multiple control protocols to meet user's specific requirements

Standard printing samples in full scale

Font Horizontal x Vertical	Standard Solution RX-SD160W	Standard Option 3 Line	Standard Option 4 Line
5×5	1 LINE: 0123456789ABCDEFGH / 012345678 — 2 LINE: 012345678 ABCDEFGHI	3 LINE: 012345678 ABCDEFGHI JKLMNOPQR	4 LINE: 012345678 ABCDEFGHI JKLMNOPQR STUVWXYZA
5×7	1 LINE: 0123456789ABCD / 0123456 — 2 LINE: 012345678 ABCDEFGHI	3 LINE: 012345678 ABCDEFGHI JKLMNOPQR	4 LINE: 012345678 ABCDEFGHI JKLMNOPQR STUVWXYZA
7×10	1 LINE: 0123456789 / 012345 — 2 LINE: 01234567 ABCDEFGH	3 LINE: 0123456789 ABCDEFGHIJKLMNOPQRS TUVWXYZABCDEFGHIJKL	
10×12	1 LINE: 0123456789ABCD / 0123456789	2 LINE: 01234567890 ABCDEFGHIJK	
12×16	1 LINE: 0123456789ABC / 0123456		2 LINE: 01234 ABCDE
18×24	1 LINE: 0123456789 / 0123456789ABC	4 501234 567896	QR
24×32	1 LINE: 0123456789ABCDEF / 012345	4 501234 567896	QR

1. The print samples have been produced under ideal conditions. Print quality depends on printing speed.
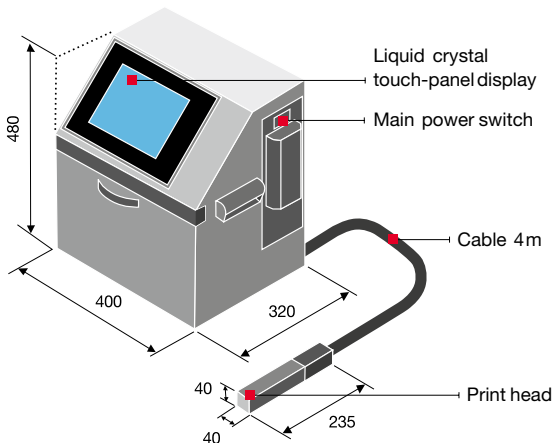
Standard specifications

Item	RX-SD160W	
Nozzle size	65 µm	
Max. print line number	Up to 2 lines (option: up to 4 lines)	
Maximum number of print characters	Up to 120 characters (option: up to 1,000 characters)	
Number of lines	**Standard**	**Option**
Font 4 × 5	–	up to 4
5 × 5	1 – 2	up to 4
5 × 7(8), 9 × 7(8)	1 – 2	up to 4
7 × 10	1 – 2	up to 3
11 × 11	1	up to 2 (Chinese only)
10 × 12	1	up to 2
12 × 16	1	up to 2
18 × 24	–	1
24 × 32	–	1
Character height	0.08 – 0.39 inches / 2 – 10 mm	
Maximum print rate (characters per second) (font 5x5, space 1, 1 line)	Up to 1,256 (option: up to 2,513)	
Barcode printing	Code39, ITF, NW-7, EAN-13, EAN-8, UPC-A, UPC-E, code128 / EAN-128	
2D code printing	Option: data matrix (alphabet: 49 characters / numerals: 98 characters), QR code	
Message storage capacity	48 messages (option: up to 2,000 messages (depends on data content))	
Data interface	RS-232C at baud rates selectable up to 115,200 bps (option: Ethernet)	
Environmental protection	IP 55	
Display & input device	WYSIWYG design; display: TFT LCD (10.4˝ color), backlight provided; input device: touch panel, input sound provided	
Screen language 2 language selectable	English, Thai, Vietnamese, German, French, Dutch, Italian, Spanish, Portuguese, Swedish, Danish, Greek, Russian, Czech, Polish, Arabic, Serbian, Turkish, Hungarian, Bulgarian, Catalan available. Option: Chinese, Korean	
Standard characters	Alphanumeric (A – Z, a – z, 0 – 9), symbols (27), space: total 90	
User pattern	Each dot matrix 200 patterns	
Print functions	Calendar, Count, Font mixture, Passwords security, etc.	
Input signal	Print target detection, Printing stop, Rotary encoder pulse, Reciprocative printing, Remote control (Run, Stop, High-voltage ON/OFF, Reset), (NPN/PNP Selectable)	
Output signal	Print in progress or Print complete, Online (NPN/PNP Selectable), Print ready, Fault, Warning (NPN Only)	
External memory	USB for user data storage	
Head cable length / angle	13.1ft / 4 m (inline / 90 degrees)	
Operating temperature range	32 – 113 °F / 0 – 45 °C (JP-K69 Ink)	
Humidity range	30 – 90 % R.H. (no condensation)	
Power supply (automatic voltage selection)	AC100 – 120 / 220 – 240 V ± 10 % 50 / 60 Hz 150 VA (AC Inlet)	
Approval	CE, UL, cUL, C-Tick, FCC, ICES	
Overall size (W × D × H)	15.7 × 13.4 × 18.9 inches / 400 × 340 × 480 mm	
Approximate weight	55 lbs / 25 kg	

Options: Barcode Reader Connection, Special Communication Function, External Signal Function

1. Hitachi Industrial Equipment Systems Co., Ltd. (Hitachi) shall not be liable for any manufacturing loss, or any product damage due to trouble or malfunction of the ink jet printer.
2. Hitachi continually improves products. The right, therefore, is reserved to alter the design and / or specifications without giving prior notice.

Dimensions of console and print head (Unit:mm)

480

Liquid crystal touch-panel display

Main power switch

400

320

Cable 4 m

40

40

235

Print head

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