

**HITACHI**  
Inspire the Next

*Ink Jet Printer*  
**RX Series**  
**Standard Model**



<http://www.hitachi-ies.co.jp/english/products/ijp/>

# Product superiority, reliability and innovative technology are captured with our signature new generation Continuous IJ Printer.

The Hitachi RX Series industrial small character high speed printer, categorized as a non-contact marking system, prints variable product information directly on various substrates. The IJ printer is capable of marking and coding various product materials such as metals, plastics, rubbers, films and papers. The Hitachi RX Series offers the consumer superior print quality, reliability and overall performance.

## New Concept IJP

The key words for the Hitachi industrial IJ Printer RX Series are: "Reliable", "Precise", and "Simple".

- Reliable:** Reliability backed with long history and experience.
- Precise:** Accurate and precision printing even at high-speed.
- Simple:** Touch panel operation and easy maintenance.



### Innovation 1 Ease of Operation

#### 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.

#### 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.

#### [Liquid crystal touch-panel display]

A fixed 10.4 inch large LCD touch panel display

WYSIWYG display

Print message settings are visually displayed

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

#### [Increase in the number of registered print data]

The data memory can be expanded to a maximum of 2,000 types with option. A group management function is also provided.

#### [USB memory-compatible]

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

#### [Improved maintenance]

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

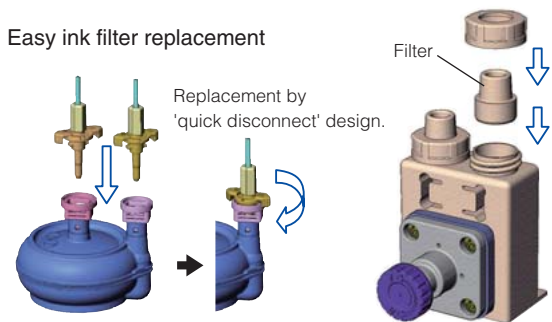


#### Improved ink circulation block

##### 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.

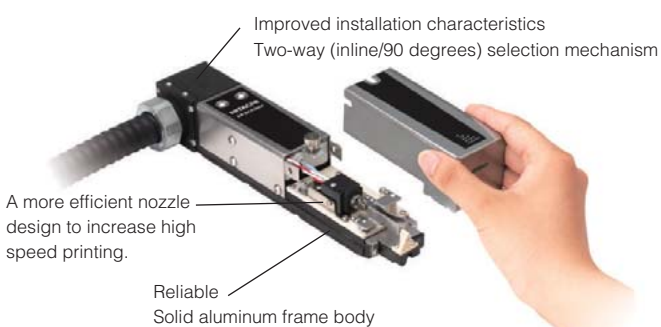
#### Easy ink filter replacement



#### High reliability

##### Printhead is made of cast aluminum body for more rigidity.

Printhead is durable even when subject to severe ambient conditions, both indirectly and directly.



#### Eco-friendly and various ink type options

##### Hitachi is committed to protecting our environment by providing products that are eco-friendly.

Fluids free of 'chrome-complex dye' and 'ethanol based inks' are available for general purpose applications.

#### 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, operator no longer waits to power OFF printer after nozzle cleaning.

### Innovation 2 Flexible Installation Package

#### Enclosure rated for industry standard dust and water protection (IP55)

#### An excellent dust-proof and drip-proof structure is provided.

The RX Series Standard Model conforms to Industry standard dust and water protection (IP55) of the international safety standards (IEC). It is also optimally suited for the production line of "Beverage, food, and Pharmaceutical" because of its highly corrosion-resistant stainless steel body.

The applicable temperature range is 32 to 113°F/0 to 45°C (JP-K67, JP-K69 ink).

### Innovation 3 Versatile Equipment Compatibility

#### Capable of remote connectivity with external equipment via a network function

- RS-232C compatible transmission speed up to 115kbps.
- Usable for various external devices by using an I/O interface for PNP/NPN.
- Usable for LAN communication through a network using Ethernet.(OPTION)  
Supports system construction to meet user's needs, by supporting multiple control protocols.

\* Ethernet is the product name of Xerox Corporation in America.

#### Standard printing samples (Full scale)

Font (Horizontal x Vertical)	RX-SD160W(standard)				Three-line printing (option)		Four-line printing (option)		
	1 LINE		2 LINE		3 LINE		4 LINE		
Three-line printing (standard)	5x5	0123456789ABCDEF		0123456789		0123456789 ABCDEFGHIJ KLMNOPQR		0123456789 ABCDEFGHIJ KLMNOPQR STUVWXYZA	
		0123456789		0123456789		0123456789 ABCDEFGHIJ KLMNOPQR		0123456789 ABCDEFGHIJ KLMNOPQR STUVWXYZA	
	5x7	0123456789		0123456789		0123456789 ABCDEFGHIJ KLMNOPQR		0123456789 ABCDEFGHIJ KLMNOPQR STUVWXYZA	
		0123456789		0123456789		0123456789 ABCDEFGHIJ KLMNOPQR		0123456789 ABCDEFGHIJ KLMNOPQR STUVWXYZA	
	7x10	0123456789		0123456789		01234567890123456789 ABCDEFGHIJ KLMNOPQRS TUVWXYZ ABCDEFGHIJKL			
Four-line printing (option)	10x12	0123456789ABCD		0123456789		01234567890 ABCDEFGHIJK			
		0123456789		0123456789		01234567890 ABCDEFGHIJK			
	12x16	0123456789ABC		0123456		[Barcode]		01234 ABCDE	
18x24	0123456789		0123456789		01234567890123456789 ABCDEFGHIJK		[Barcode]		
	0123456789		0123456789		01234567890123456789 ABCDEFGHIJK		[Barcode]		
24x32	0123456789ABCDEF		012345		01234567890123456789 ABCDEFGHIJK		[Barcode]		

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

\*2. 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.

\*3. Hitachi continually improves products. The right, therefore, is reserved to alter the design and/or specifications without giving prior notice.

# Standard Specification

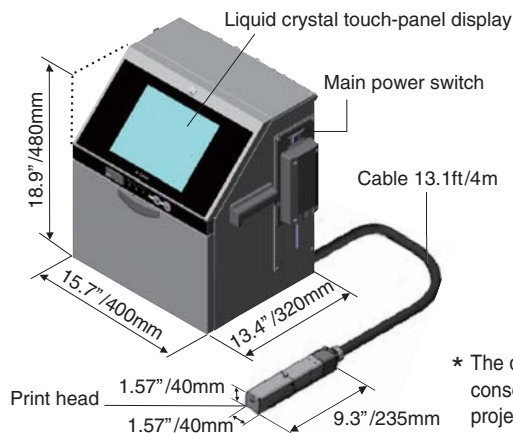
Item	Model	
	RX-SD160W	
Nozzle size	65µm	
Max. print line number	Up to 2 lines (OPTION: Up to 4 lines)	
Maximum number of print characters	Up to 120 characters (OPTION: Up to 1,000 characters)	
Font	OPTION: ✓	
(Horizontal x Vertical)	4x5	✓
	5x5	✓
	5x7(8),9x7(8)	✓
	7x10	✓
	11x11	✓ (Chinese only)
	10x12	✓
	12x16	✓
	18x24	OPTION: ✓
	24x32	OPTION: ✓
Character height	0.08–0.39 inches / 2–10 mm	
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, Chinese, Korean, Thai, Vietnamese, German, French, Dutch, Italian, Spanish, Portuguese, Swedish, Danish, Greek, Russian, Czech, Polish, Arabic, Serbian, Turkish, Hungarian, Bulgarian, Catalan available	
Maximum print rate (character per second) (Font 5x5, space 1, 1line)	Up to 1,256 (OPTION: Up to 2,513)	
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.	
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))	
Input signal	Print target detection, Printing stop, Rotary encoder pulse, Reciprocal 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)	
Data interface	RS-232C at baud rates selectable up to 115,200bps	
External memory	USB for user data storage	
Head cable length / angle	13.1ft/4m (inline/90 degrees)	
Operating temperature range	32–113°F / 0–45°C (JP-K67, JP-K69 Ink)	
Humidity range	30–90% R.H. (no condensation)	
Power supply (Automatic voltage selection)	AC100–120/220–240V±10% 50/60Hz 150VA (AC Inlet)	
Approval	CE, UL, cUL, C-Tick, FCC, ICES	
Overall size (Width x Depth x Height)	15.7x13.4x18.9 inches 400x340x480mm	
Environmental protection	IP55	
Approximate weight	55lbs / 25kg	

## Options

- Barcode Reader Connection
- Special Communication Function A
- External Signal Function A
- Ethernet

## Dimensions of console and print head

### Console



\* The dimensions of the console do not include projecting parts and controls.

Information in this brochure is subject to change without notice.

**Hitachi Industrial Equipment Systems Co., Ltd.**

For further information, please contact your nearest sales representative.



Registration number: JACO-EC99J2009  
Registration date: July 22, 1996

The Energy Saving Systems Division (Taga Division) of Hitachi Industrial Equipment Systems Co., Ltd. obtained ISO 14001 certification, an international standard for environmental management systems.



Registration number: JQA-QMA12087  
Registration date: April 1, 2005

The Energy Saving Systems Division (Taga Division) of Hitachi Industrial Equipment Systems Co., Ltd. obtained international standard ISO 9001 certification for the quality assurance of the hoist motor block contained in this brochure.