HITACHI Inspire the Next

Ink Jet Printer **UX** Series

Standard Specification

Nozzle size 65µm	Item		UX-B160W	Model UX-D160W	UX-E160W	
data: Up to 3 lines Up to 4 lines Up to 4 lines Maximum number of print characters Up to 240 characters Up to 1.000 characters Up to 1.000 characters Maximum number of print characters Up to 240 characters Up to 1.000 characters Up to 1.000 characters Maximum number of print characters S 7, 70, 9, 77, 80 Characters Option: / / Ta 10 ////////////////////////////////////	Nozzle size		OX BIOOW			
maximum include to print value to prior Up to 1.000 characters) Up to 1.000 characters) Up to 1.000 characters) Up to 1.000 characters) First 5 x 5	Max. print line number		Up to 3 lines	Up to 3 lines	Up to 6 lines	
Ford infunction	Maximum number of print characters		Up to 240 characters		Up to 1,000 characters	
First (Horizontal x Vertical) $5 \times 7(0)$, $3 \times 7(0)$ \checkmark \checkmark 11 x1 \checkmark (Chinese only) \checkmark (Chinese only) \checkmark (Chinese only)10 x12 \checkmark \checkmark 11 x1 \checkmark (Chinese only) \checkmark (Chinese only)10 x12 \checkmark \checkmark 12 x16 \checkmark \checkmark 13 x24 \checkmark \checkmark 24 x32 $-$ Option: \checkmark 24 x32 $-$ Option: \checkmark 36 x49 $-$ Option: \checkmark 15 palar k $-$ Option: \checkmark 16 palar k $-$ Option: \checkmark 17 palar k $ -$ 18 x40 $ -$ 24 x32 $-$ Option: \checkmark 36 x49 $-$ Option: \checkmark 2 $-$ Option: \checkmark 19 palar k $-$ Option: \checkmark 10 palar k $ -$ 11 palar k $ -$ 12 palar k $ -$ 12 palar k $ -$ 13 palar k $ -$ 14 palar k $ -$ 15 palar k $ -$ 16 palar k $ -$ 17 palar k $ -$ 16 palar k $ -$ 16		4 x 5	_	Option: 🗸	1	
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Font (Horizontal x Vertical) 10 x 12 I <thi< th=""> I I</thi<>		7 x 10	✓	✓	\checkmark	
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$ \begin{array}{ c c c c } \hline \begin{array}{ c c } 24 \times 32 & & Option: \checkmark & \checkmark \\ \hline \begin{array}{ c c } 30 \times 40 & & Option: \checkmark & \checkmark \\ \hline \begin{array}{ c } 30 \times 40 & & Option: \checkmark & \checkmark \\ \hline \begin{array}{ c } 30 \times 40 & & Option: \checkmark & \checkmark \\ \hline \begin{array}{ c } 30 \times 40 & & Option: \checkmark & \checkmark \\ \hline \begin{array}{ c } 30 \times 40 & & Option: \checkmark & \checkmark \\ \hline \begin{array}{ c } 30 \times 40 & & Option: \checkmark & \checkmark \\ \hline \begin{array}{ c } 30 \times 40 & & Option: \checkmark & \checkmark \\ \hline \begin{array}{ c } 30 \times 40 & & Option: \checkmark & \checkmark \\ \hline \begin{array}{ c } 30 \times 40 & & Option: \checkmark & \checkmark \\ \hline \begin{array}{ c } 30 \times 40 & & Option: \checkmark & \checkmark \\ \hline \begin{array}{ c } 30 \times 40 & & Option: \checkmark & \checkmark \\ \hline \begin{array}{ c } 30 \times 40 & & Option: \checkmark & \checkmark \\ \hline \begin{array}{ c } 30 \times 40 & & Option: \checkmark & \checkmark \\ \hline \begin{array}{ c } 30 \times 40 & & Option: \checkmark & \bullet \\ \hline \begin{array}{ c } 30 \times 40 & & Option: \checkmark & \bullet \\ \hline \begin{array}{ c } 10 \times 10 & & Option: \checkmark & \bullet \\ \hline \begin{array}{ c } 10 \times 10 & & Option: \land & \bullet \\ \hline \begin{array}{ c } 10 \times 10 & & Option: \land & \bullet \\ \hline \begin{array}{ c } 10 \times 10 & & Option: \land & \bullet \\ \hline \begin{array}{ c } 10 \times 10 & & Option: \land & \bullet \\ \hline \begin{array}{ c } 10 \times 10 & & Option: \land & \bullet \\ \hline \begin{array}{ c } 10 \times 10 & & Option: \land & \bullet \\ \hline \begin{array}{ c } 10 \times 10 & & Option: \land & \bullet \\ \hline \begin{array}{ c } 10 \times 10 & & Option: \land & \bullet \\ \hline \begin{array}{ c } 10 \times 10 & & Option: \land & \bullet \\ \hline \begin{array}{ c } 10 \times 10 & & Option: \land & \bullet \\ \hline \begin{array}{ c } 10 \times 10 & & Option: \land & \bullet \\ \hline \begin{array}{ c } 10 \times 10 & & Option: \land & \bullet \\ \hline \begin{array}{ c } 10 \times 10 & & Option: \land & \bullet \\ \hline \begin{array}{ c } 10 \times 10 & & Option: \land & Option: & Opti$	(12 x 16	✓	✓	✓	
$ \begin{array}{ c c c c c } \hline \hline$		18 x 24	✓	✓	✓	
des x48 Option: ✓ ✓ Character height 2 - 10 m		24 x 32	-	Option: 🗸	\checkmark	
Oharacter height 2 - 10 mm Display & input device WYSIWYG design Display & input device Display TFT LOC (0.4 * color), backlight provided Screen language English, Chinese, Korean, Thai, Vietnamese, German, Freich, Jarabis, Serbian, Turkish, Yinguraes, Swedish, Danish, Greek, Russian, Czech, Polish, Arabis, Serbian, Turkish, Yinguraes, Swedish, Danish, Greek, Russian, Czech, Polish, Arabis, Serbian, Turkish, Yinguraes, Swedish, Danish, Greek, Russian, Czech, Polish, Arabis, Serbian, Turkish, Yinguraes, Swedish, Danish, Greek, Russian, Czech, Polish, Arabis, Serbian, Turkish, Yinguraes, Swedish, Danish, Greek, Russian, Czech, Polish, Arabis, Serbian, Turkish, Yinguraes, Swedish, Danish, Greek, Russian, Czech, Polish, Arabis, Serbian, Turkish, Yinguraes, Swedish, Danish, Greek, Russian, Czech, Polish, Arabis, Serbian, Turkish, Yingurae, Saveid, Danish, Greek, Russian, Czech, Polish, Arabis, Serbian, Turkish, Yingurae, Saveid, Danish, Greek, Saveid, Turkish, Yingurae, Saveid, Danish, Greek, Saveid, Saveid, Saveidan, Saveidan, Saveidan, Serbian, Saveidan,		30 x 40	—	Option: 🗸	✓	
Display & input device WYSIWYG design Display I: FTF LOD (10.4° color), backlight provided Screen language (2 languages selectable) English, Chinese, Korean, Thei, Vietnamese, German, French, Dutch, Italian, Spanish, Portuguese, Swedish, Danish, Greek, Russan, Czech, Polisan, Rabic, Serbian, Turkish, Hungarian, Bulgarian, Catalian, Romanian, Finnish, Norwegian, Stovenian Maximum print rate (characters per second) (characters per second) (characters per second) Up to 1,148 Up to 1,148 (Option: Up to 2,296 Up to 2,296 Standard characters Alphanumeric 200 patterns each for dot matrix 200 patterns each for dot matrix Barcode printing 0 Calendar, Count, Font mixture, Password- code128/EAN128, GS-1 DataBar 200 code printing 2D code printing - Data Matrix (Alphabet: 49 characters/Numerals: 98 characters), OR, Micro QR 2,000 messages 1put signal Print target detection Rotary encoder pulse (NPN/PNP Selectable) Print target detection Rotary encoder pulse (NPN/PNP Selectable) Print target detection, Printing stop, Rotary encoder pulse, Resignad, NDM, NDM, NDM, NDM, NDM, NDM, NDM, NDM		36 x 48	_	Option: 🗸	✓	
Display & input device Display: TFT LCD (1.4" cook) hacklight provided input device: Took panel, input sound provided provided input device: Took panel, input device:			2 - 10 mm			
Screen influgage (2 languages selectable) Portuguese, Swedish, Danish, Greek, Nausian, Czech, Polish, Arabic, Serbian, Turkish, Hungarian, Bulgarian, Catalan, Romanian, Finnish, Norwegian, Slovenian Maximum print rate (characters per second) Up to 1,148 Up to 1,148 (Option: Up to 2,296) Up to 2,296 Standard characters S0 patterns each for dot matrix 200 patterns each for dot matrix 200 patterns each for dot matrix Print functions 50 patterns each for dot matrix 200 patterns each for dot matrix 200 patterns each for dot matrix Barcode printing	Display & input device		Display: TFT LCD (10.4" color), backlight provided			
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Print functions Control instrue, Password Barcode printing	Standard characters		Alphanumeric (A-Z, a-z, 0-9), symbols (27) and space: Total 90			
Barcode printing	User pattern		50 patterns each for dot matrix 200 patterns each for dot matrix			
Barcode printing Image: Code128/EAN-128, GS-1 DataBar 2D code printing Data Matrix (Alphabet: 49 characters/Numerals: 98 characters), QR, Micro QR code Message storage capacity Image: Code128/EAN-128, GS-1 DataBar Message storage capacity Image: Code128/EAN-128, GS-1 DataBar Message storage capacity Image: Code128/EAN-128, GS-1 DataBar Input signal Print target detection Rotary encoder pulse (NPN/PNP Selectable) Print target detection, Printing stop, Rotary encoder pulse, Reciprocative printing,Remote control (Run, Stop, High-voltage ON/OFF, Reset),(NPN/PNP/NPN Selectable), Print ready, Fault, Warning (NPN Only) Data interface Option (RS-232C at baud rates selectable up to 115,200bps) RS-232C at baud rates cape: Selectable up to 115,200bps) Ethernet (Modbus communication) - IEEE802.3 ; UBASET Ethernet (Modbus communication) - USB for user data storage Print hange: Code128/EAN (Image: Code128/EAN (Ima	Print functions					
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Message storage capacityIso messagesmessages (depends on data content)](depends on data content)Input signalPrint target detection Rotary encoder pulse (NPN/PNP Selectable)Print target detection, Printi is stop, Rotary encoder pulse, Reciprocative printing, Remote control (Run, Stop, High-voltage ON/OFF, Reset),(NPN/PNP Selectable)Output signalPrint ready, Fault, Warning (NPN Only)Print in progress or Print complete. Print ready, Fault, Warning(NPN Only)Data interfaceOption (RS-232C at baud rates selectable up to 115,200bps)RS-232C at baud rates selectable up to 115,200bpsEthernet (Modbus communication)—IEEE802.3, 10:BASE-TExternal memoryIEEE802.3, 10:BASE-TOperating tamperature rangeIEEE802.3, 10:BASE-TOperating tamperature rangeIEEE802.3, 10:BASE-TOperating humidity rangeIEEE802.3, 10:BASE-TPower supply (Automatic voltage selection)IEEE802.3, 10:BASE-TPower supply (Automatic voltage selection)IEEE802.3, 10:BASE-TPrint endy, Faulty rangeIEEE802.3, 10:BASE-TPower supply (Automatic voltage selection)IEEE802.3, 10:BASE-TPower supply (Automatic voltage selection)IEEE802.3, 10:BASE-TPrint endy (Mith x Depth x Height)IEEE802.3, 10:BASE-TDimensions (Width x Depth x Height)IEEE802.3, 10:BASE-TInternational protectionIEEE802.3, 10:BASE-TInternational protectionIEEE802.3, 10:BASE-TInternational protectionIEEE802.3, 10:BASE-TInternational protectionIEEE802.3, 10:BASE-TInternational protecti	2D code printing		-			
Input signalPrint rager detection Notary encoder pulse (NPN/PNP Selectable)Reciprocative printing,Remote control (Run, Stop, High-voltage ON/OFF, Reset),(NPN/PNP Selectable)Output signalPrint ready, Fault, Warning (NPN Only)Print in progress or Print complet, Online(NPN/PNP Selectable), Print ready, Fault, Warning(NPN Only)Data interfaceOption (RS-232C at baud rates selectable up to 115,200bps)RS-232C at baud rates selectable up to 115,200bps)Ethernet (Modbus communication)—IEEE802.3, 1∪BASE-TExternal memory0	Message storage capacity		150 messages			
Output signar(NPN Only)Print ready, Fault, Warning(NPN Only)Data interfaceOption (RS-232C at baud rates selectable up to 115,200bps)RS-232C at baud rates selectable up to 115,200bpsEthernet (Modbus communication)—IEEE802.3, JUBASE-TExternal memory0IEEE802.3, JUBASE-TPrinthead cable length / angleIEEE802.3, JUBASE-TOperating temperature range0-Operating humidity range0-Power supply (Automatic voltage selection)Power supply (Automatic voltage selection)IEEE, VLL, CUL, CUL, CVLSCE, C-TickDimensions (Width x Depth x Height)IP55IP55	Input signal			Reciprocative printing, Remote control (Run, Stop, High-voltage ON/OFF,		
Data interface(RS-232C at baud rates selectable up to 115,200bps)RS-232C at baud rates selectable up to 115,200bpsEthernet (Modbus communication)—IEEE802.3, 1∪BASE-TExternal memoryUSB for user data storagePrinthead cable length / angle4m (in-line/90 degrees)Operating temperature range0-50°C(1067K lnk)Operating humidity range30-90% RH (no condensation)Power supply (Automatic voltage selection)AC100-120/220-240V±10% 50/60Hz 120V-4ApprovalCE, UL, cUL, C-Tick, FCC, ICESDimensions (Width x Depth x Height)IP55International protectionIP65	Output signal					
External memoryUSB for user data storagePrinthead cable length / angle4m (in-line/90 degrees)Operating temperature range0-50°C(1067K lnk)Operating humidity range30-90% RH (no condensation)Power supply (Automatic voltage selection)AC100-120/220-240V±10% 50/60Hz 120VAApprovalCE, UL, cUL, C-Tick, FCC, ICESCE, C-TickDimensions (Width x Depth x Height)IP55IP65	Data interface		(RS-232C at baud rates	RS-232C at baud rates selectable up to 115,200bps		
Printhead cable length / angle 4m (in-line/90 degrees) Operating temperature range 0-50°C(1067K lnk) Operating humidity range 30-90% RH (no condensation) Power supply (Automatic voltage selection) AC100-120/220-240V±10% 50/60Hz 120VA Approval CE, UL, cUL, C-Tick, FCC, ICES CE, C-Tick Dimensions (Width x Depth x Height) 400 x 320 x 527 mm International protection IP55 IP65	Ethernet (Modbus communication)		—	IEEE802.3 , 100BASE-T		
Operating temperature range 0-50°C(1067K lnk) Operating humidity range 30-90% RH (no condensation) Power supply (Automatic voltage selection) AC100-120/220-240V±10% 50/60Hz 120VA Approval CE, UL, cUL, C-Tick, FCC, ICES CE, C-Tick Dimensions (Width x Depth x Height) 400 x 320 x 527 mm International protection IP55 IP65	External memory		USB for user data storage			
Operating humidity range 30-90% RH (no condensation) Power supply (Automatic voltage selection) AC100-120/220-240V±10% 50/60Hz 120VA Approval CE, UL, cUL, C-Tick, FCC, ICES CE, C-Tick Dimensions (Width x Depth x Height) 400 x 320 x 527 mm International protection IP55 IP65	Printhead cable length / angle		4m (in-line/90 degrees)			
Power supply (Automatic voltage selection) AC100-120/220-240V±10% 50/60Hz 120VA Approval CE, UL, cUL, C-Tick, FCC, ICES CE, C-Tick Dimensions (Width x Depth x Height) 400 x 320 x 527 mm International protection International protection IP55 IP65	Operating temperature rar	nge		0-50°C(1067K lnk)		
Approval CE, UL, cUL, C-Tick, FCC, ICES CE, C-Tick Dimensions (Width x Depth x Height) 400 x 320 x 527 mm 1000000000000000000000000000000000000	Operating humidity range			30-90% RH (no condensation)		
Dimensions (Width x Depth x Height) 400 x 320 x 527 mm International protection IP55	Power supply (Automatic v	voltage selection)	AC	C100-120/220-240V±10% 50/60Hz 120\	Α	
International protection IP55 IP65	Approval		CE, UL, cUL, C-	CE, UL, CUL, C-Tick, FCC, ICES CE, C-Tick		
	Dimensions (Width x Dept	h x Height)		400 x 320 x 527 mm		
Approximate weight 27kg	International protection		IP55	IP65	5	
	Approximate weight			27kg		

@Hitachi Industrial Equipment Systems Co., Ltd.

For further information, please contact your nearest sales representative.



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

The Marking Systems and Hoist Systems Division (Taga Division) of Hitachi Industrial Equipment Systems Co., Ltd. obtained international standard ISO 9001 certification for the quality assurance of the Ink Jet Printer contained in this brochure.



Next-generation leadership performance

Maintainability and environmental performance have dramatically improved. A human-friendly and environmentally-friendly IJ printer has debuted.

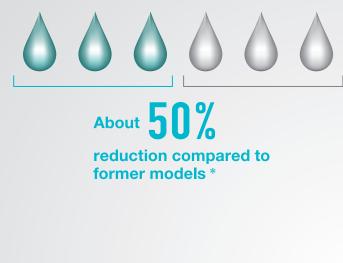


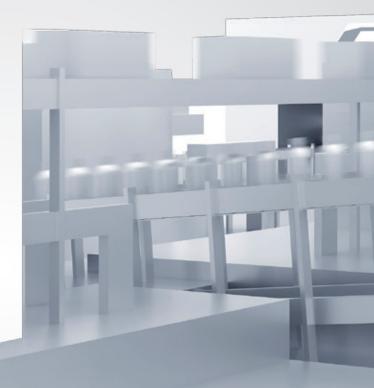
Hitachi's original "Makeup fluid consumption reduction system" has Significantly-reduced running cost.

The ink recovery control and device temperature control provided by the new technology "Makeup fluid consumption reduction system" suppresses the amount of makeup vapored, and achieves industry-leading levels of makeup consumption.

*As compared to Hitachi current models with 1067K ink at 20°C. About 30% reduction for UX-B and UX-D.

Reduction achieved by the new system







Use of cartridge-type ink and makeup makes the printer easier to use, more convenient, and more resource saving

Use of cartridge-type ink bottle and makeup bottle allows easier replacement, and avoids "getting your hands dirty" or "ink spillage".



Easy and quick replacement of ink and makeup cartridges without staining your hands. A new error prevention feature (alarm) is provided using IC tags for ink and makeup replacement. Simplified checking makes the replacement more effective. *Some geographic areas are excluded. Convenient LITACHI IJP

> Icons on the screen indicate the ink and makeup amount of residue. They also indicate the proper time for cartridge replacement, which further improves usability.



The ink and makeup cartridge bottles can be used right up to the last drop. Using up the ink and makeup eliminates the need to dispose of the ink and makeup, and their cartridge bottles separately.

Hitachi Industrial Equipment Systems Co.,Ltd. declares that the IC tag reader is in compliance with the essential requirements and other relevant provisions of the FCC Part15 subpart C, EN 301 489-1/-3, EN 300 330-1/-2.



The new print technology "6-Line Print" meets a variety of needs

A single printhead allows prints of up to six lines. Hitachi's original interlaced print control system clearly prints characters one by one. The new print control system also enables single-line high-speed printing, which provides excellent print quality.



User interface provides a variety of features

A 10.4-inch TFT LCD touch-panel screen provides a wide, easy-to-see viewing angle and contact-type intuitive operation. In addition, when calling new data, a finished image of the print can be checked on the screen, which helps avoid any erroneous printing.



Strengthened compatibility with the network, improving compatibility with host system

Ethernet as a standard feature saves wiring. In addition, open network is supported, and it allows easier system construction. Collective management via host system enables two or more devices to be easily networked.

HITACHI





Standard printing samples (Full scale)

