

# Kiosk Printer Unit

KPUS347/KPUS447

The new KPUS series from Seiko Instruments is a complete kiosk printer solution consisting of paper roll holder, thermal printer, guillotine auto cutter, presenter and interface. Using state of the art technology, KPUS series printer feature:

- Paper width:  
KPUS347: steps from 58mm to 82.55mm  
KPUS447: 112mm
- Printing speed:  
KPUS347: 200mm/sec.  
KPUS447: 150mm/sec.
- Paper roll position selectable (horizontal or vertical)
- Paper roll holder with variable paper roll diameter
- Platen open function to easily access paper
- Presenter with automatic retraction function
- Guillotine auto cutter
- Automatic paper loading
- Supports bar codes
- Interface: serial, parallel or USB selectable



KPUS447

Model	KPUS347	KPUS447
Print System	Thermal line dot system	
Dot configuration	max. 640 dots	max. 832
Dot resolution (dots/mm)	8	
Paper width (mm)	58 - 82.88 (specified for paper width of 58mm, 60mm, 66mm, 72.6mm, 80mm and 82.55mm)	112
Printing width (mm)	54 - 80	104
Paper thickness (μm)	60 - 155	
Paper roll diameter (mm)	max. 228	
Internal diameter (mm)	32	
Paper feed pitch (mm)	0.125	
Maximum printing speed (mm/s)	max. 200	max. 150
Operating voltage	Vp: 24V±10% Vcc: 5V ±5%	
Current consumption for external power supply	Average (30% print ratio): 2.5A Peak: max.10A Standby: 150mA	Average (30% print ratio): 3.3A Peak : max.12A Standby: 150mA
Current consumption for PW-3024-W1	Average (30% print ratio): 2A Peak: max.4.5A	
Head temperature detection	Via thermistor	
Platen existence detection	Via mechanical switch	
Out-of-paper detection	Via photo interrupter	
Life span	Activation pulse resistance: 100 million pulses or more Abrasion resistance: 50km or more Auto cutter: 300.000 cuts	
Paper feed force	0.98N (100gf) (Presenter: 50gf)	
Paper hold force	0.98N (100gf) (Presenter: 50gf)	
Dimension (WxHxD)	Horizontal type: ca.148 x 140 x 225 Vertical type: ca.148 x 140 x 235	Horizontal type : 161 x 140 x 236 Vertical type : 161 x 140 x 248
Operating temperature (°C)	(Excluding paper holder) 0 to +40	
Weight (g)	ca. 3kg	ca. 3.5kg

## Paper roll holder

With 228mm maximal paper roll diameter more than 650m of paper can be stored (using 60µm paper). A "Paper near end" – sensor detects when the paper roll is about to run out.

The position of the paper roll can be selected horizontal or vertical (see below pictures). Hence, the dimensions can be varied according to the requirements of the application.

## Paper Roll Position



## Thermal printer

Be assured of excellent resolution in characters and graphics of a high-performance, high-speed thermal printer with maximum print speed of 200mm/sec (KPUS347) and 150mm/sec. (KPUS447).

The ability to handle different paper widths from 58mm to 82.55mm (KPUS347) answers to the demand for flexibility (112mm for KPUS447).

Automatic paper loading and platen open function supports comfortable paper handling. Head temperature, paper flow and platen position are constantly sensor controlled.

## Auto cutter and presenter

After being cut using guillotine mode the print-out is presented via a roll presenter system. In case the printout is not taken an automatic

receipt withdrawal function (retraction) will be activated to avoid paper jams.

## Interface

Parallel, serial or USB data transmission can be selected. For the serial and parallel interface, Windows 95, 98, NT4.0 and 2000™\* drivers are available and, for USB 1.1 interface, Windows 95/98 and 2000 drivers. All standard bar codes can be realised.

Interface	KPUS347	KPUS447
Input method	Parallel (bi-directional, nibble mode) Serial (RS-232C) USB 1.1	
Character type	Katakana / IBM compatible JIS Kanji 1 and 2 International character Download character	
Error Status	H/W error Head temperature Out-of-paper Paper near end Platen open Extraordinary Vp voltage Cutter error Presenter error	
Manual operation	Reset Feed	
Others	Test print Auto cutter function Page mode	
Regulation	VCCI FCC class A CE	
Printer driver	Parallel: Windows 95/98/NT4.0/2000™* Serial: Windows 95/98/NT 4.0/2000™* USB 1.1: Windows 95/98/2000™*	
Barcode	UPC-A, UPC-E, JAN 13, JAN 08, CODE 39, IFT, CODABAR, CODE 93, CODE128, PDF414	

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