

# Line Thermal Printers

## PPU-231/PHU-131 KIOSK UNIT

Paper roll  
80 mm

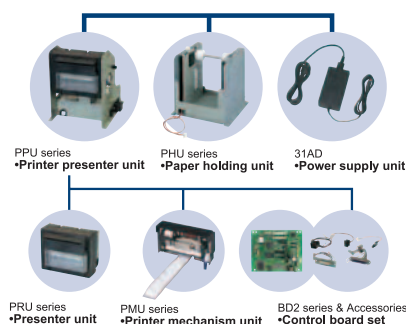
Complete unit  
**PPU-231/PHU-131**  
\*The bottom plate is not included.



### Features

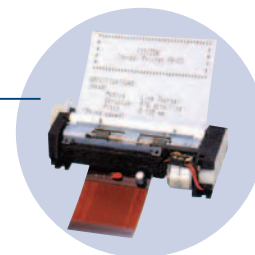
- Easy paper handling
- Barcode printing
- Bitmap registration
- Page Mode
- Large roll paper diameter up to 8"
- Both parallel (Centronics) and serial (RS-232C) interfaces available
- Equipped with a paper end sensor and paper near end sensor

### Unit breakdown



### Mechanism

LT-380V



### Specifications

Model	PPU-231/PHU-131
Printing method	Line thermal dot printing
Printing width	72mm/576 dots
Dot pitch	8 × 8 dots/mm (203 dpi × 203 dpi)
Printing speed	Max. 62.5mm/sec. (14.8 lines/sec.)
Number of columns	Font A - 48 columns Font B - 64 columns
Character size (W × H)	1.25mm × 3.00mm (Font A: 12 × 24 dots) 0.88mm × 3.00mm (Font B: 9 × 24 dots)
Character table	Alphanumeric, International characters
Barcode type	UPC-A/E, JAN-13/8, ITF, Code 39, Code 128, CODABAR, Code 93
Line spacing	4.23mm (1/6") Selectable by command set (Min. 1/203 inch).
Paper	Thermal roll paper Width: 80mm (W) × ø83mm External diameter: ø203mm (with paper holder unit) Internal diameter: ø25.4mm Paper thickness: 60 to 85mm Recommended paper: TF-50KS-E, TF-62KS-E (Nippon Paper Industries)
Interface	Serial (RS-232C), Parallel (Centronics)
Input buffer	4K bytes
Sensors	Paper near end sensor (adjustable, for PHU series) Paper end sensor (for PMU series) Black mark sensor (option)
Power source voltage	24V±7%
Power consumption	100W
Weight	PPU-231: 1.6 kg (incl. control PCB) PHU-131: 0.9 kg (excl. roll paper)
External dimensions (W × D × H)	PPU: 153.7 × 160 × 172mm / PHU: 132.2 × 120 × 125.2mm
Operating environment	5 ~ 40°C, 35 ~ 85%RH (No condensation)
Storage environment	-20 ~ 60°C, 10 ~ 90%RH (No condensation)
Reliability	Thermal head: 50,000,000 pulses or 30km Auto cutter: 300,000 cuts
EMC and safety standards	UL, C-UL, FCC class A, TUV-CE marking

### Type classification

**PPU-2 3 1 P E**  
(1) (2)(3)(4)(5)(6)

- (1) Model type  
PPU: Printer+presenter unit
- (2) Printing method  
2: Thermal
- (3) Paper width  
3: 80mm
- (4) Product number  
1: Standard
- (5) Interface  
P: Parallel  
R: Serial RS-232C
- (6) Character set  
K: Japan  
U: US  
E: Europe

**PHU-1 3 1**  
(1) (2)(3)(4)

- (1) Model type  
PHU: Paper holding unit
- (2) Product number
- (3) Paper width  
3: 80mm
- (4) Number of PNE sensor  
1: 1 sensor  
2: 2 sensors