

Line Thermal Printers

PPU-231/PHU-131

Complete unit
PPU-231/PHU-131

*The bottom plate is not included.



Unit breakdown



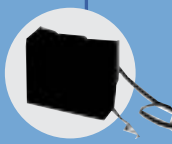
PPU series
•Printer presenter unit



PHU series
•Paper holding unit



31AD
•Power supply unit



PRU series
•Presenter unit



PMU series
•Printer mechanism unit



BD2 series & Accessories
•Control board set

Features

- Easy paper handling — the presenter unit feeds the paper after print and cut
- Paper auto loading
- Bar-code printing
- Capable of loading large diameter roll paper (203ø)
- Both parallel (Centronics) and serial (RS-232C) interfaces available
- Equipped with a paper end sensor and paper near end sensor

Paper roll



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
- 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 Paper near end sensor
1: 1 sensor
2: 2 sensors

PRU - 1 3 0

① ② ③ ④

- ① Model type
PRU: Presenter unit
- ② Product number
- ③ Paper width
3: 80mm
- ④ Custom code

PMU - 2 3 0

① ② ③ ④

- ① Model type
PMU: Printer mechanism unit
- ② Printing method
2: Thermal
- ③ Paper width
3: 80mm
- ④ Custom code

BD2 - 380A P E

① ② ③ ④

- ① Model type
BD2: Control board (thermal)
- ② Applicable mechanism
380A: LT-380
- ③ Interface
P: Parallel
R: Serial
- ④ Character set
K: Japan
U: US
E: Europe

Mechanism

•LT-380



Specifications

Model	PPU-231/PHU-131
Printing method	Line thermal dot printing
Printing width	72mm/576 dots
Dot pitch	8 dots/mm
Printing speed	62.5mm/sec. [Max.] (500 dot lines/sec.)
Number of columns	48 columns (Font A), 64 columns (Font B)
Font size	1.25mm x 3.00mm (Font A: 12 x 24 dots) 0.88mm x 3.00mm (Font B: 9 x 24 dots)
Fonts	Alphanumeric, International characters
Bar-code type	UPC-A, JAN (EAN) 13 col./8 col., ITF, CODE39, CODE128, CODABAR
Line spacing	4.23mm (1/6") Selectable by command set (Min. 1/203 inch).
Printing paper	Thermal roll paper Width: 80mm External diameter: ø203mm (with paper holder unit) Internal diameter: ø25.4mm Paper thickness: 60 to 85µm Recommended paper: TF-50KS-E, TF-62KS-E (Nippon Paper Industries)
Interface	Serial (RS-232C) or Parallel (Centronics)
Input buffer	4K bytes
Command	ESC/POS
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: 1.6 kg (incl. control PCB) PHU: 0.9 kg (excl. roll paper)
External dimensions (W × D × H)	PPU: 153.7 x 160 x 172mm / PHU: 132.2 x 120 x 125.2mm
Operating temperature/humidity	5 to 40°C, 35 to 85%RH (No condensation)
Storage temperature/humidity	-20 to 60°C, 10 to 90%RH (No condensation)
Reliability	Head: 50,000,000 pulses or 30 km Auto cutter: 300,000 cuts
Safety standard	UL, C-UL, FCC class A, TUV-CE marking