

IMPACT DOT MATRIX PRINTER MECHANISM

MD-910 / 911

Paper Roll
58
mm

SPEED
line/sec.
Max. **2.5**
MD-910

SPEED
line/sec.
Max. **1.8**
MD-911



MD-910/911

Features

- 58mm paper width
- 5V operation
- Print speed: Max. 2.5 lines/sec
- Ultra compact design

Optional Accessories

→ P62-63

Paper winder



AW-5

Ink ribbon cartridge

Black
IR-91B

Specifications

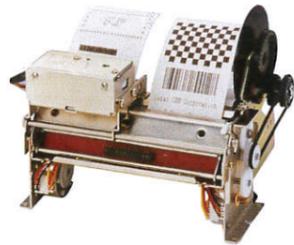
		MD-910	MD-911
Printing method		Serial impact dot matrix method	
Printing direction		Bi-directional	
Printing speed (lines/sec)		Approx. 2.5 ^{*1}	Approx. 1.8 ^{*1}
Total number of dots (dots/lines)		144	180
Number of columns		24 columns	40 columns
Font (W x H)		(5+1) × 8 matrix	(4+0.5) × 8 matrix
Character size (WxH) mm		1.7 × 2.4	
Line spacing		3.52mm	
Number of wires		8 pins (4 pins × 2 heads)	
Motor		Voltage: 5 +1/-1.2VDC / Current Peak approx. 1A / Average 0.3A or less	
Sensor	Reset pulse	Mechanical leaf switch	
	Dot pulse	Photo interrupter	
Printing solenoid		Voltage: 5 +0.5/-1.2 VDC	
Printing feed solenoid		Voltage: 5 +0.5/-1.2 VDC	
Paper feed		Friction	
Paper feeding speed (lines/sec.)		Approx. 5	Approx. 3.6
Printing paper	Width	57.5mm ±0.5 × φ83mm	
	Diameter	φ83mm or less	
	Thickness	Total 130μm or less	
Copy		1 original + 1 copy	
Ink ribbon cartridge		Single color (Black)	
External dimensions		90 (W) × 45.5 (D) × 15.8 (H)mm	
Weight		Approx. 105g	
Environment	Operation	0 to 50°C	
	Storage	-25 to 70°C	
Reliability	Mechanism	MCBF 1.5 million lines	MCBF 1.0 million lines
	Printer head	80 million characters	

*1: 5V, 25°C, continuous printing.

LINE THERMAL PRINTER MECHANISM LT-483



SPEED
80
mm/sec.
MAX.



Features

- 2 station printing
- 50+50mm paper width
- 24V operation
- High-speed print: Max. 100mm/sec
- Heavy duty design offers higher reliability

Optional Accessories

Auto cutter



AC-4P / 4F (Guillotine type)

Paper winder



AW-4H / 4V

Specifications

		LT-483
Printing method		Thermal dot line printing method
Total dots		832 dots/lines
Dot density		8 dots/mm
Printing width		44mm x 2
Printing speed		Max. 100mm/sec. (800 dot-lines/sec)
Paper feeding pitch		0.125mm
Sensors	PE sensor	Photo-Interrupter
	Head temperature	Thermistor
	Head-up	Mechanical switch
Operating voltage range *1	Vp	DC 22.8 to 25.2V
	Vdd	DC 4.75 to 5.25V
Current consumption	Head	1.2A approx.
	Motor	0.96A approx.
Recommended paper	Width	49.5mm ± 0.5mm
	Paper thickness	65µm
	Paper diameter *2	φ83mm or less
	Paper (Manufacturer)	TF50KS-E2C (Nippon Paper)
Reliability *3	Head pulse-resistance	100 million pulses or more
	Head wear-resistance	100km or more
Environment	Operation	Temperature: 5 to 40°C Humidity: 35 to 80% RH
	Storage	Temperature: -20 to 60°C Humidity: 10 to 90% RH
External dimensions		LT483: 155.2 (W) x 60 (D) x 71.5 (H)mm LT483CF: 155.2 (W) x 67 (D) x 98.9 (H)mm
Weight		LT483: Approx. 560g LT483CF: Approx. 750g

*1: Voltage drop at maximum current may cause the print quality problem. Please check it carefully in your environment such as control board, wiring, etc. Also please keep the voltage within the specified voltage range even by the voltage drop.

*2: The number of diameter varies depending on the conditions.

*3: Normal temperature at 25°C, normal humidity, 12.5% printing ratio, rated energy and by use of the recommended print paper.

LINE THERMAL PRINTER MECHANISM LT-1322



SPEED
80
mm/sec.
MAX.



Features

- 2 station printing
- 38+38mm paper width
- 24V operation
- Print speed: Max. 80mm/sec

Specifications

		LT-1322
Printing method		Thermal dot line printing method
Total dots		248 dots/lines x 2
Dot density		8 dots/mm
Printing width		38mm x 2
Printing speed		Max. 80mm/sec. (640 dot-lines/sec)
Paper feeding pitch		0.125mm
Sensors	PE sensor	Photo-Interrupter x 2
	Head temperature	Thermistor
	Head-up	Photo-Interrupter
Operating voltage range *1	Vp	DC 22.8 to 25.2V
	Vdd	DC 4.75 to 5.25V
Current consumption	Head	Max. 4.5A approx.
	Motor	Max. 0.4A approx.
Recommended paper	Width	38mm x 2
	Paper thickness	60 to 75µm
	Paper diameter *2	φ83mm or less
	Paper (Manufacturer)	TF50KS-E2C (Nippon Paper)
Reliability *3	Head pulse-resistance	50 million pulses or more
	Head wear-resistance	50km or more
Environment	Operation	Temperature: 0 to 45°C Humidity: 35 to 85% RH
	Storage	Temperature: -20 to 60°C Humidity: 10 to 90% RH
External dimensions		120 (W) x 58 (D) x 24.5 (H)mm
Weight		Approx. 97g

*1: Voltage drop at maximum current may cause the print quality problem. Please check it carefully in your environment such as control board, wiring, etc. Also please keep the voltage within the specified voltage range even by the voltage drop.

*2: The number of diameter varies depending on the conditions.

*3: Normal temperature at 25°C, normal humidity, 12.5% printing ratio, rated energy and by use of the recommended print paper.

Model classification
LT - 483 - CF
1) CF: Partial cut / full cut
None: Without auto cutter

LT - 1322H
1)

1) Model
LT-1322H

Impact dot matrix printer mechanism index list

Model classification by "Printing color"

One color

MD-910/911



SPEED
2.5
mm/sec.
MAX.
MD-910
SPEED
1.8
mm/sec.
MAX.
MD-911
→ P58



DP-624



SPEED
3.6
mm/sec.
MAX.
→ P59



DP-630



SPEED
3.0
mm/sec.
MAX.
→ P60



DP-730



SPEED
3.0
mm/sec.
MAX.
→ P60

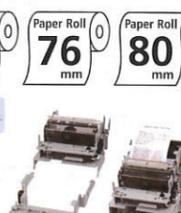


Two color print

DP-331/332



SPEED
4.3
mm/sec.
MAX.
→ P57



DP-330



SPEED
4.3
mm/sec.
MAX.
→ P57



DP-614/617



SPEED
4.0
mm/sec.
MAX.
→ P58



DP-654/657



SPEED
3.6
mm/sec.
MAX.
DP-654
SPEED
3.0
mm/sec.
MAX.
DP-657
→ P59



Model classification by "Two station"

Two station

DP-630



SPEED
3.0
mm/sec.
MAX.
→ P60



DP-730



SPEED
3.0
mm/sec.
MAX.
→ P60



Impact
Dot
Matrix
Printer
Mechanism

Model classification by "Paper feed"

Friction feed / Sprocket feed

DP-614/617



SPEED
4.0
mm/sec.
MAX.
→ P58



DP-624



SPEED
3.6
mm/sec.
MAX.
→ P59



DP-654/657



SPEED
3.6
mm/sec.
MAX.
DP-654
SPEED
3.0
mm/sec.
MAX.
DP-657
→ P59



Friction feed

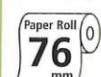
DP-331/332



SPEED
4.3
mm/sec.
MAX.
→ P57



DP-330



SPEED
4.3
mm/sec.
MAX.
→ P57



MD-910/911



SPEED
2.5
mm/sec.
MAX.
MD-910
SPEED
1.8
mm/sec.
MAX.
MD-911
→ P58

