Impact Dot Matrix Printer Mechanisms

Despite the growth in demand for thermal printers, dot impact printers are still most appropriate for many applications and worldwide demand remains strong. Particularly well-suited to plain paper and high-speed printing, they are indispensable for check and validation and other such applications. As in its thermal printer development, Citizen Systems makes the most of its precision equipment technologies in the development of dot impact printers, drawing on its formidable strengths in this area to offer products that satisfy customers' dot impact printing needs fully and accurately.

MD-910 / 911

Paper Roll 58mm

- 58mm paper width
- 5V operation
- 2.5 lines/sec printing speed
- Ultra compact design

Specifications

Model	MD-910	MD-911
Printing method	Serial impact dot matrix	
Printing direction	One-way printing	
Printing speed	Approx. 2.5 lines/sec	Approx. 1.8 lines/sec
Number of columns	24 columns: 144 dots/line	40 columns: 180 dots/line
Font	5 × 7 matrix	4 × 7 matrix
Number of wires	8 pins (4 pins × 2 heads)	
Character size (W × H)	Approx. 1.7 × 2.4mm	Approx. 1.1 × 2.4mm
Character pitch	1.98mm (Interval of columns) 3.52mm (Interval of lines)	1.17mm (Interval of columns) / 3.52mm (Interval of lines)
Motor	Voltage: 5.0V DC / Peak current: Approx. 1A / Average current: 0.3A max.	
Dot pulse sensor	Photo interrupter	
Home pulse sensor	Leaf switch	
Printing sensor	Voltage: 5.0 V DC / Resistance: 1.7 ±0.3Ω (25°C)	
Paper feeding solenoid	Voltage: 5.0 V DC / Resistance: 9 ±2Ω (25°C)	
Connecting method	Copper foil patterns at 2.54mm pitch.	
Driving voltage	3.5 ~ 5.5V DC	
Printing paper	57.5 ±0.5mm	
Copy	Original print + 1 copy	
Ink ribbon cartridge	Single color (Black)	
Paper feeding speed	Approx. 5 lines/sec	Approx. 3.6 lines/sec
External dimensions	90 × 45.5 × 16mm (W × D × H)	
Weight	105g ±10%	
Operating temperature	0 ~ 50°C	
Storage temp. range	−25 ~ 70°C	
Reliability	MCBF: 1.5 million lines	MCBF: 1.0 million lines

Accessories

Ink ribbon cartridge

IR-91B

Paper winder
(not supported by CBM-909)

AW-5

Type Classification

MD-910-SS

1) 2)

1) Type
910: 24 columns
911: 40 columns

2) Knob
SS: No knob
HS: Horizontal knob
VS: Vertical knob