

## Operational Description

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### ■ Introduction

The **PORTI-P340** is an extremely simple and functional thermal printer. It is the ideal solution for applications which require the immediate printing of data on a paper, whether they be of an industrial, professional or laboratory nature. Medical analyzer, Industrial instrument, Recorder, Geological analyzer, Underground analyzer, Chemical analyzer, Metallic analyzer, etc.

The general features of PORTI-P340 printer are as follows:

- ▶ Ultra small size rack mount printer.
- ▶ Very silent printing thru direct thermal printing method.
- ▶ High speed(40mm/sec)
- ▶ UART interface
- ▶ Support text and graphic printing.
- ▶ Support bit-image(logo) download.
- ▶ Easier paper loading by CLAMSHELL design.
- ▶ Easier maintenance with self-diagnostics.
- ▶ Flow control : Software (XON/XOFF)
  - ※ Hardware flow control not supported in printer.

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### **■ Operating Precautions**

Please follow the precautions below to enjoy and maintain the full performance of the printer.

#### **► Using the Printer**

- Be careful not to drop or bump the printer on a hard surface.
- Do not install the printer in direct sunlight or such areas.  
Suitable environment for the use of the printer is as follows :
  - ◆ Operating temperature : -10°C to 40 °C
  - ◆ Relative humidity : 10% to 90% (no condensation)
- Do not install the printer near devices that generate strong electromagnetic fields such as a copy machine.
- Do not remove or reinstall the communication cable during printing or transmission.

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### Specification

Item	Specification	
Print method	Direct thermal line printing	
Characters per line	64cpl (MAX)	
Character size	Eng. : 9×24dots, 12×24dots    Kor. : 16×24dots, [24×24dots]	
Resolution	203dpi, 8dots/mm	
Print width	3-inch (72mm, 576dots)	
Print speed	40mm/sec	
Dimension	110 × 77.7 × 48 mm	
Weight	300g (including paper roll)	
Interface	UART	
Paper roll	Thermal paper roll (80mm wide, 38ø)	
Barcodes	PDF417(2-dimension), Code128, Code39, I2/5, Code93 UPC, EAN(KAN, JAN), CODABAR	
Receive buffer size	10K bytes	
Note	Printing speed may be slower, depending on the data transmission speed and the combination of control commands.	
Input Power	9VDC, Standby 60mA and Max 3A	
Environment conditions	Temperature	-10°C ~ 40°C (operating) -10°C ~ 70°C (storage)
	Humidity	30% - 80% (operating) 10% - 90% (storage)
MCBF (Mean Cycle Between failure)	Mechanical	37,000,000 lines
	Head	Approximately 50 Km