Operational Description

■ Introduction

The **PORTI-WP40** is an extremely simple and functional panel 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-WP40 printer are as follows:

- ▶ Ultra small size rack mount printer.
- ▶ Very silent printing thru direct thermal printing method.
- ▶ High speed(40mm/sec)
- ▶ RS-232C or TTL 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.

◘ 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.

Operational Description

Specification

Item	Specification		
Print method	Direct thermal line printing		
Characters per line	92cpl (MAX)		
Character size	Eng. : 9×24dots, 12×24dots Kor. : 16×24dots, [24×24dots]		
Resolution	203dpi, 8dots/mm		
Print width	4-inch (104mm, 832dots)		
Print speed	40mm/sec		
Dimension	143 × 77.7 × 46.7 mm		
Weight	340g (including paper roll)		
Interface	RS-232C or TTL		
Paper roll	Thermal paper roll (113mm wide, 40ø)		
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 (Standard model)		
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	