



Nippon Technologies

# INDUSTRIAL PRINTERS

## "INDUSTRIAL PRINTERS" Solution

The State-of-art Microcontroller design, sturdy EPSON Printer mechanism, robust power supply, and modular architecture contributes to high performance printing solution.

### APPLICATIONS

- Industrial Printing
- PLC / INSTRUMENTS Interface
- Data Logging
- Permanent records
- Hard Copies

### MODELS

|            |                         |                 |
|------------|-------------------------|-----------------|
| • CP180SN  | : Serial Printer        | (1.7 Lines/Sec) |
| • CP180PN  | : Parallel Printer      | (1.7 Lines/Sec) |
| • MIN180SN | : Serial Printer        | (1.7 Lines/Sec) |
| • MIN180PN | : Parallel Printer      | (1.7 Lines/Sec) |
| • CP190SN  | : Fast Serial Printer   | (2.7 Lines/Sec) |
| • CP190PN  | : Fast Parallel Printer | (2.7 Lines/Sec) |



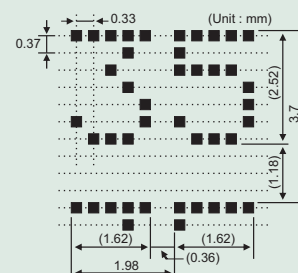
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3          326.1
4          001.1
5          053.8
6          326.7
7          SKIP
8          SKIP
9          000.9
10         OPEN
11         SKIP
12         SKIP
13         324.9
14         SKIP
15         207.4
16         329.5
11/10/2007 12:53:00
CH No.    TEMP °C
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2          -010.7
3          326.0
4          001.2
5          053.7
6          326.3
7          SKIP
8          SKIP
9          000.8
10         OPEN
11         SKIP
12         SKIP
13         324.9
14         SKIP
15         206.6
16         328.9
  
```

← Print Format

## Specifications

|                   |                                                                                                                                                                                                                               |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Printer Mechanism | <ul style="list-style-type: none"> <li>• EPSON mechanism, Ultra Compact, light weight, high reliability</li> <li>• Clear Print quality thanks to impact dot printing system</li> <li>• Fast paper feed and release</li> </ul> |
| Printing Speed    | 1.7 Lines / Sec $\pm$ 20% (typical), continuous printing                                                                                                                                                                      |
| Print Format      | a) Number of Columns : 24 (3 Column/Print Solenoid x 8)<br>b) Number of dots : Maximum 144 dots / dot Line                                                                                                                    |
| Character Size    | a) Dot Pitch : Horizontal : 0.33mm;<br>Vertical : 0.37 mm<br>b) 5 x 7 Font : 1.7 mm (W) x 2.6 mm (H)                                                                                                                          |



|                             |                                                                                                                                                                                                                                                         |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Modes                       | Reset Mode : Reset push button provided for resetting the printer<br>Test Mode : Provides basic "Test Print"<br>Feed Mode : To Load the paper                                                                                                           |
| Paper Specifications        | a) Single Ply paper roll.<br>b) Width 57.5 mm $\pm$ 0.5 mm x 83 mm or less (outside diameter)<br>x 10 mm or less (inside diameter)<br>c) No gum at either side of roll paper.                                                                           |
| Interface to outside device | RS232 Communication<br>Connector : For serial printer - D type 25 pin male<br>In parallel printer - D type 25 pin female<br>Mode : Serial mode in <b>CP180SN, MIN180SN, CP190SN</b><br>Parallel mode in <b>CP180PN, MIN180PN, CP190PN</b>               |
| Supply                      | 90 - 260 VAC, 50 Hz.                                                                                                                                                                                                                                    |
| Noise Immunity              | EMI/RFI Interface is suppressed by MOV's & R-L-C Filters.                                                                                                                                                                                               |
| Box                         | <ul style="list-style-type: none"> <li>96H x 96W x 280D in mm DIN size Panel mounting.</li> <li>Panel cut out : 92H x 92W</li> <li>Colour : Front : Alluminium Anodised.<br/>Body : Black Powder coated.</li> <li>Weight : 3 kg Approximate.</li> </ul> |
| Environment Conditions      | Temperature : -10 to 50 °C, Humidity : Upto 90% RH                                                                                                                                                                                                      |
| Recommended Accessories     | <ul style="list-style-type: none"> <li>Paper Roll (One built in) (157 mm width X 37 Mtrs)</li> <li>Epson Make Cartridge</li> <li>Printer Mechanism</li> </ul>                                                                                           |

#### NOTES :

- Contact factory for HAND HELD THERMAL PRINTERS
- OEM supplier for application in INFORMATION KIOSK
- OEM supplier for DATALOGGER manufacturers



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