



An ISO 9001:2000 Certified Company

# Nippon Technologies



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Mfgs. & Designers : **Instruments, SCADA & Automation Systems, Sensors**

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## Nippon's Industrial Printers



*Nippon Technologies* is now offering "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)

### Print Format

```

11/10/2004 12:52:00
CH NO. TEMP °C
1 001.3
2 -010.9
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
11/10/2004 12:53:00
CH NO. TEMP °C
1 001.1
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
13 324.5
14 SKIP
15 206.6
16 328.9

```

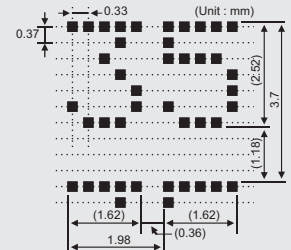
## SPECIFICATIONS

**Printer Mechanism** : • EPSON mechanism, Ultra Compact, light weight, high reliability  
• Clear Print quality thanks to impact dot printing system  
• Fast paper feed & release

**Printing Speed** : 1.7 Lines / Sec  $\pm$  20% (typical), continuous printing

**Print Format** : a) Number of Columns : 24 (3 Column/Print Solenoid X 8)  
b) Number of dots : Maximum 144 dots / dot Line

**Character Size** : a) Dot Pitch : Horizontal : 0.33mm;  
Vertical : 0.37 mm  
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  
Test Mode : Provides basic "Test Print"  
Feed Mode : To Load the paper

**Paper Specifications** : a) Single Ply paper roll.  
b) Width 57.5 mm  $\pm$  0.5 mm X 83 mm or less (outside diameter)  
X 10 mm or less (inside diameter)  
c) No gum at either side of roll paper.

**Interface to outside device** : RS232 Communication  
Connector : For serial printer - D type 25 pin male  
In parallel printer - D type 25 pin female  
Mode : Serial mode in **CP180SN, MIN180SN, CP190SN**  
Parallel mode in **CP180PN, MIN180PN, CP190PN**

**Supply** : 90 - 260 VAC, 50 Hz.

**Noise Immunity** : EMI/RFI Interface is suppressed by MOV's & R-L-C Filters.

**Box** : • 96H x 96W x 280D in mm DIN size Panel mounting.  
• Panel cut out : 92H x 92W  
• Colour : Front : Alluminium Anodised.  
Body : Black Powder coated.  
• Weight : 3 kg Approximate.

**Environment Conditions** : Temperature : -10 to 50 °C, Humidity : Upto 90% RH

**Recommended Accessories** : 1. Paper Roll (One built in) (157 mm width X 37 Mtrs)  
2. Ribbon (Epson Make)

## Nippon's SALES OFFICES

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