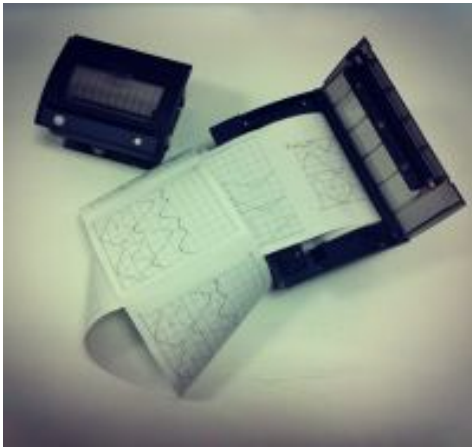


3" & 4" CHART RECORDER PRINTERS



The **CHART RECORDER PRINTER** range is one of Martel's latest panel printer product releases .

Also known as the MPP3C00 (3" version), and the MPP4C00 (4" version), the chart recorder printer range are compact panel printers, with the ability to print multiple values on charts, by sending a continuous stream of data points, which are printed on the chart in real time.

Up to four separate channels of data can be printed at once, with the user controlling the time between data points.

The printers are easily embedded into the applications which they support - providing extra functionality to equipment without the high risk of self manufacturing - resulting in a quicker time to market. .

Available in any order quantity the chart recorder printer range can be further customized to meet the exact requirements of the products which it supports - ready to be dropped into the main product.

The software which comes with the printer, allows the end user to change various settings, so the charts are recording within the frequency and detail which is required.

The benefits of the MPP3C00 and MPP4C00

- Reduced time to market for equipment manufacturers that require a chart recorder functionality in their product
- Multiple data values printed on one easy to read chart
- Fully customized to meet the exact product specifications of the application that it is embedded into
- End user has the ability to easily scale up or scale down the axis of the charts providing the level of detail that they need
- End user has the ability to easily change timings of when the data is plotted on the charts, so measurement can be made over any time period

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1B 23 01 01 00 02 00 00 20 00 00 01 08 00 40 00
40 00 40 11 6E 00 B4 00 40 01 E8 01 6D 00 C5 00
51 01 F0 01 6B 00 D4 00 62 01 F4 01 67 00 DF 00
72 01 F3 01 62 00 E5 00 80 01 F0 01 5C 00 E5 00
8D 01 EA 01 55 00 DF 00 97 01 E4 01 4D 00 D4 00
9E 01 DF 01 45 00 C5 00 A2 01 DC 01 3C 00 B4 00
A4 01 DB 01 33 00 A3 00 A2 01 DC 01 2B 00 94 00
9E 01 DF 01 23 00 89 00 97 01 E4 01 1C 00 83 00
8D 01 EA 01 16 00 83 00 80 01 F0 01 11 00 89 00
72 01 F3 01 0D 00 94 00 62 01 F4 01 0B 00 A3 00
51 01 F0 01 0A 00 B4 00 40 01 E8 01 0B 00 C5 00
2F 01 DD 01 0D 00 D4 00 1E 01 D0 01 11 00 DF 00
0E 01 C2 01 16 00 E5 00 00 01 B6 01 1C 00 E5 00
F3 00 AC 01 23 00 DF 00 E9 00 A4 01 2B 00 D4 00
E2 00 9F 01 33 00 C5 00 DE 00 9D 01 3C 00 B4 00
DC 00 9C 01 45 00 A3 00 DE 00 9D 01 4D 00 94 00
E2 00 9F 01 55 00 89 00 E9 00 A4 01 5C 00 83 00
F3 00 AC 01 62 00 83 00 00 01 B6 01 67 00 89 00
0E 01 C2 01 6B 00 94 00 1E 01 D0 01 6D 00 A3 00
2F 01 DD 01 6E 00 B4 00 40 01 E8 01 6D 00 C5 00
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72 01 F3 01 62 00 E5 00 80 01 F0 01 5C 00 E5 00
8D 01 EA 01 55 00 DF 00 97 01 E4 01 4D 00 D4 00
9E 01 DF 01 45 00 C5 00 A2 01 DC 01 3C 00 B4 00
A4 01 DB 01 33 00 A3 00 A2 01 DC 01 2B 00 94 00
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72 01 F3 01 0D 00 94 00 62 01 F4 01 0B 00 A3 00
51 01 F0 01 0A 00 B4 00 40 01 E8 01 0B 00 C5 00
2F 01 DD 01 0D 00 D4 00 1E 01 D0 01 11 00 DF 00
0E 01 C2 01 16 00 E5 00 00 01 B6 01 1C 00 E5 00
F3 00 AC 01 23 00 DF 00 E9 00 A4 01 2B 00 D4 00
E2 00 9F 01 33 00 C5 00 DE 00 9D 01 3C 00 B4 00
DC 00 9C 01 45 00 A3 00 DE 00 9D 01 4D 00 94 00
E2 00 9F 01 55 00 89 00 E9 00 A4 01 5C 00 83 00
F3 00 AC 01 62 00 83 00 00 01 B6 01 67 00 89 00
0E 01 C2 01 6B 00 94 00 1E 01 D0 01 6D 00 A3 00
2F 01 DD 01 FF FF 0A 0A 0A 0A 0A 0A 0A 0A
    
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Features:

- Fast-load paper loading feature
- High resolution thermal printing
- 5-8Vdc standard, 10-35Vdc / low power options
- Interfaces - RS232 and USB
- Adjustable clip mounting
- Quiet, non-impact system
- Maintenance-free
- Compact and light weight
- High reliability
- Versatile, for use with text or graphics
- 12, 16, 24, 32 or 48 characters per line
- Suitable for paper and label printing
- Windows driver for Win 7 / Vista / XP and 2000
- Linux and WinCE 5.0 / 6.0 drivers available
- Flash upgradeable firmware
- 32mm diameter paper roll support

Options:

- ⇒ Interface options - RS485, TTL
- ⇒ Bezel—Black, Off White, Custom

Specification: MPP3C00

General

Printing system: Direct thermal line head
Max Characters per line: 18, 24, 36 (default), 48, & 72 characters per line
Character matrix: 8x24, 12x24 or 16x24
Character size: 3mm x 2mm, 3mm x 1.5mm or 3mm x 1mm (Approx. 13, 17 or 25cpi)
Horizontal dot pitch: 0.125mm (Approx. 200dpi)
Vertical dot pitch: 0.125mm
Text line composition: 576x24 dots
Printing width: 72mm

Power supply

MPP3000/MPP3010: 5-8 Vdc
MPP3050: 10-35Vdc

Current consumption

MPP3000: 4A peak
MPP3010: 2A Peak
MPP3050: 2.7A @ 10V, 1.75A @ 15V, 1.5A @ 20V, 1.2A @ 25V, 1.1A @ 30V, 1A @ 35V peak

Paper and language support

Paper width: 80mm
Paper capacity: 60mm diameter
Character set: UK / United States (437)
Country code: USA, France, Germany, UK, Denmark I/II, Sweden, Italy, Japan, Norway, Latin America, Spain I/II

Data and Interface

USB: USB v2.0

Serial

Data format: RS232 (Default, 1 Start, 8 Data, 1 Stop, No Parity)
Baud rates: 300, 600, 1200, 2400, 4800, 9600 & 19200, 38400, 57600 & 115200
Handshaking: Hardware (CTS line) or Software (XON/XOFF)

Buffer size: 5 Kbytes

Dimensions

MPP3000 series: 107.5 x 95 x 75 (WxHxD)
Panel cut-out: 98.5 x 85 mm

Specification: MPP4C00

General

Printing system: Direct thermal line head
Max Characters per line: 26, 34, 52(default), 69, 104 characters per line
Character matrix: 8x24, 12x24 or 16x24
Character size: 3mm x 2mm, 3mm x 1.5mm or 3mm x 1mm (Approx. 13, 17 or 25cpi)
Horizontal dot pitch: 0.125mm (Approx. 200dpi)
Vertical dot pitch: 0.125mm
Text line composition: 832x24 dots
Printing width: 104mm

Power supply

MPP4000/MPP4010: 5-8 Vdc
MPP4050: 10-35Vdc

Current consumption

MPP4000: 4A peak
MPP4010: 2A Peak
MPP4050: 2.7A @ 10V, 1.75A @ 15V, 1.5A @ 20V, 1.2A @ 25V, 1.1A @ 30V, 1A @ 35V peak

Paper and language support

Paper width: 112mm Max, 104mm print width
Paper capacity: 60mm diameter
Character set: UK / United States (437)
Country code: USA, France, Germany, UK, Denmark I/II, Sweden, Italy, Japan, Norway, Latin America, Spain I/II

Data and Interface

USB: USB v2.0

Serial

Data format: RS232 (Default, 1 Start, 8 Data, 1 Stop, No Parity)
Baud rates: 300, 600, 1200, 2400, 4800, 9600 & 19200, 38400, 57600 & 115200
Handshaking: Hardware (CTS line) or Software (XON/XOFF)

Buffer size: 5 Kbytes

Dimensions

MPP4000 series: 158mm x 110mm x 75mm (WxHxD)
Panel cut-out: 140 x 103 mm

For further information, please visit our website at www.martelinstruments.com.

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MPP3C00 / MPP4C00
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