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of your device

MARTEL
INSTRUMENTS

MPP5800

PANEL MOUNT PRINTER

The MPP5800 series is from the latest range of Martel printers, comprising compact thermal panel mount printers incorporating a fixed head mechanism with "easy open" paper feature, setting new performance standards for panel-mount units, with a selection of standard options and customisable features.



MPP5800 Series

MPP5800 5-8Vdc, 4A peak

MPP5810 5-8Vdc, 2A peak

MPP5850 10-35Vdc



Features

- Fast-open paper feature
- High resolution thermal printing
- 5-8Vdc standard, 10-35Vdc / low power options
- Adjustable clip mount, and panel screw mount
- Quiet npn-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
- 48mm diameter paper roll support

Options

- Interface - RS232, RS485, TTL, USB, Parallel
- Bezel—black, off white, custom
- Alternative PCB connectors - Molex KK, 43xxx and molex 51021

Specification

General

Printing system	Direct thermal line head
Max Characters per line	48, 32, 24 (default), 16 and 12
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	384x24 dots
Printing width	48mm

Average printing speed

MPP5800/MPP5820/MPP5880	10 lines of text per second (max)
MPP5810	2 lines of text per second (max)

Current consumption

MPP5800	4A peak
MPP5810	2A peak
MPP5820/MPP5850	2.7A @ 10V, 1.75A @ 15V, 1.5A @ 20V, 1.2A @ 25V, 1.1A @ 30V, 1A @ 35V peak

Paper and language support Paper width

Paper capacity	58mm
Character set	48mm diameter
Country codes	UK/United States (437) USA, France, Germany, UK, Denmark I/II, Sweden, Italy, Japan, Norway, Spain I.

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

MPP5800/MPP5810/MPP5850	83mm x 85.1mm x 45.5mm (WxHxD)
MPP5820	83mm x 85.1mm x 63.5mm (WxHxD)
Panel cut out	76 x 80.5mm

Environmental

Operating range	0°C to +50°C
Storage range	-20°C to +60°C