

58MM UNIVERSAL PRINTER FOR PANEL MOUNTING

DOT MATRIX PRINTER 4 NEEDLES

Introduction

Most of the printers available on the market allow to print data, text or graphic supplied by a computer or a PLC. When designing the new MTP-x600 printer, we took into account many special requests from our customers in order to design the most universal O.E.M printer available today.

The housing was designed in order to integrate this printer on the front panel of a machine or an equipment, using the smallest possible volume. This choice allows to easily add a printer to an existing system which does not have this function.

The dot matrix technology makes it the ideal device for traceability applications, whenever a long preservation of the ticket is required.

Characteristics

- 2 available characters sets
- Serial RS232C or TTL interfaces with data transmission from 110 to 19k2 baud
- Hexadecimal printing mode for transmissions debugging
- 2 analog to digital inputs (0 to 3.3VDC) or counting inputs with scaling functions and choice of the text printing format.
- 16 K-bytes printable logo by contact closing, ESC command or timer
- Event manager (4 separated or 15 multiplexed). Start and stop messages of 512 bytes are stored in flash memory. Printing of these messages is triggered by 4 logic inputs or ESC command.
- Horizontal line graphic mode.
- Graphic curve mode without complicated calculation, with analog or counting inputs integration possibilities.



- Panel mounting
- 58 mm paper width (2 inches)
- Serial Interface
- Messages printing triggered by dry contacts
- 2 analog or counting inputs

- Timer with variable length for automating logo or message printing.
- Real time clock option for message dating with automatic winter - summer hour change.
- Direct configuration menu thanks to 2 push buttons or ESC commands
- Windows 2000 and XP driver.
- Information feed back on interface : identifier, software, manufacturer, date, time, analog or counting values.

Part number : MTP - X 6 X X - X X

Define the part number by replacing each X by the corresponding number or letter.

HEAD	↑	CONNECTIONS
24 characters / line	2	- with connectors
32 characters / line	3	K With PC interface cable and power supply cable (1m50)
40 characters / line	4	
CASE	↑	REAL TIME CLOCK
plastic ,	6	- non installed
without rewriter		C installed
INTERFACE	↑	POWER SUPPLY
serial TTL	1	1 5 VDC
serial RS232C / V24	2	4 Universal 9-24 VAC, 9-40 VDC



Specifications :

- Printing principle : dot matrix
- Printing mechanism : 4 needles
- Available fonts:
 - 2 fonts ASCII
- Characters size : 6×10 dots
- Interface:
 - RS232C, TTL or Serial
 - Flat connectors 2x10 pins
- Control commands:
 - ESC compatible,
 - MRS compatible,
- Buffer size : 7K bytes
- Buttons MENU: Menu mode
LF: paper feed
- Indicator :
 - Fixed : Normal operation
 - Flashing : defect (check manual)

Paper :

- Paper width : 57.5±0.5 mm
- Paper thickness : 53 to 64 g/m²
- External diameter : 40mm (max)
- Internal diameter : 8.5mm (min)

Ink ribbon :

- Purple : MDE-250-V
- Black : MDE-250-N



External dimensions :

- 112mm(l) × 65mm(h) × 88mm(p)
- Weight ~ 350g (Without paper roll)

Power supply choices :

- 5VDC ±5%, medium current 2.0A, value max. 3A
- 9 to 40 VDC
- 9 to 24 VAC

Operating condistions :

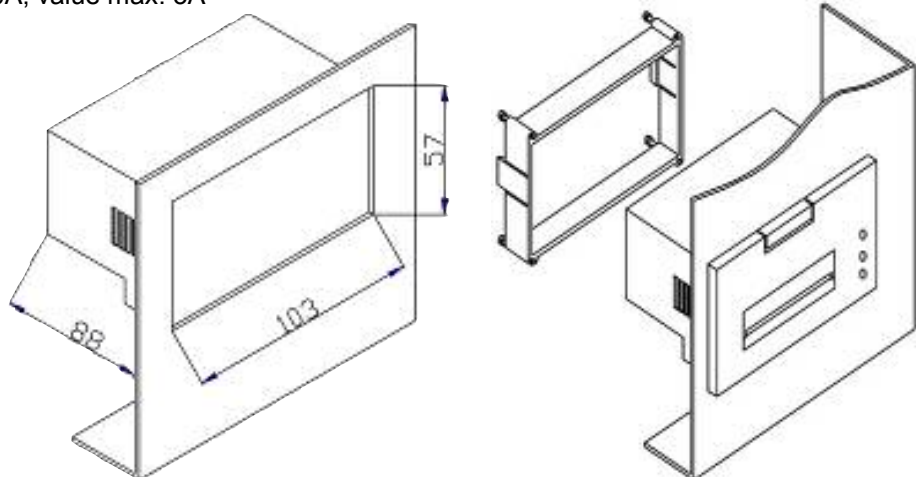
- Temperature 0~40°
- Relative humidity 0~80%



Paper loading :

Please find below the instructions for changing the paper roll :

1. Unlock the printer front panel and open it.
2. Push the button at the top right angle, in order to release the printer mechanism.
3. Lift the mechanism carefully.
4. Take out the old paper roll.
5. Insert the axis in the center of the new paper roll, then insert the assembly in the printer.
6. Connect the power supply.
7. Push the LF button, in order to activate the paper feed mode.
8. Insert the paper in the print head slot and let it go through the print head.
9. Wait until the paper get out from the print head top side. Release the LF button to stop the paper feed.
10. Lower the head mechanism.
11. Push the print head mechanism following to the position shown on the label, and close the print head mechanism.
12. Close the printer panel.



Overall printer dimensions and installation

To install this printer in a vertical panel, you have to cut up a rectangular hole (57 +0,10 mm (H) x 103 +0,10 mm (L)).

Design and specifications can change without notice.

Please consult MEGATRON for technical specifications before purchase or utilisation.