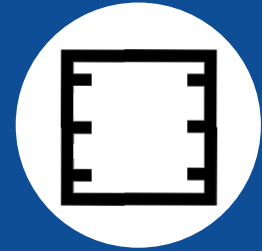


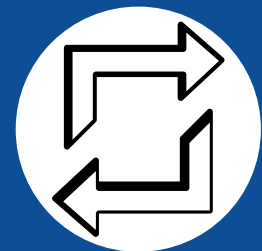
# Thermal Printer TPL-80E



Black mark detection



Auto loading paper/ ticket



Printer status monitor

## Features:

- Auto loading paper / ticket without wasting paper
- Black mark detection to avoid blank ticket printing
- Facility to monitor number of power on, number of tickets delivered, number of times the printer cover opened during each operator's shift
- Secure sensor for cover open activity. Printer stops printing when printer box cover is open (also erase buffer data)
- LED indication for printer status
- Robust and rugged printer body

## Specifications\*:

<b>Printer Method</b>	: Direct thermal or thermal line
<b>Resolution</b>	: 203 dpi
<b>Printing Speed</b>	: 100 mm per sec. or more
<b>Paper Feed Speed</b>	: 150 mm per sec.
<b>Paper Width</b>	: 81 mm
<b>Printable Width</b>	: 78 mm
<b>Paper Length / Printable Length</b>	: 150 mm (max.)
<b>Receive Buffer Size</b>	: 45 bytes to 4 KB
<b>Paper Weight / Paper Thickness</b>	: 56 ~ 150 um
<b>Paper Type</b>	: Thermal paper (top coated)
<b>Paper Roll Capacity</b>	: 500 tickets (roll max dia support 140 mm)
<b>Paper Cutter</b>	: Full automatic
<b>Print Head Life</b>	: 100 km
<b>Cutter Life</b>	: 1 million with 80 gsm paper, 0.7 million with 100 gsm paper
<b>Paper Loading</b>	: Automatic
<b>Character Set &amp; Size</b>	: Alphanumeric (ASCII), Font A : 12 X 24
<b>Graphics Capability</b>	: Full graphics
<b>Printer Monitoring &amp; Status</b>	: Very comfortable & comprehensive monitoring program for checking & verifying all main printer functions (paper out, printer cover open, power ON/OFF, ticket delivered, etc.) and status message from the printer through Serial & Parallel / USB port. All these status should be returned in response of commands so that ticket printing application can be programmed to retrieve the status message of the printer.
<b>Black Mark Recognition</b>	: For controlling printing & cutting
<b>MCBF</b>	: 37 million lines
<b>Temperature</b>	: 5° C to 45° C (non condensing)
<b>Humidity</b>	: 10 to 90% RH (non condensing)
<b>Interface</b>	: Bi-directional Serial & bi-directional (Parallel / USB), One Serial port is mandatory, Second port can be Parallel or USB. Printer should print ticket irrespective of the fact whether it is connected to Serial, Parallel or USB port.
<b>Outer Body</b>	: Metal enclosure
<b>Dimensions (L x W x H)</b>	: 450 MM x 265 MM x 250 MM
<b>Power Input Range</b>	: 100-240 VAC, 50/60 Hz (housed internally)
<b>Weight</b>	: 8.6 Kg
<b>Compliance</b>	: RoHS Compliant, Safety : BIS approved-IS 13252 (Part 1): 2010

## Special features\*\*:

### Special features incorporated:

Printer to stop printing when printer cover is open.

It should clear the remaining ticket buffer when power off or printer cover open.

Printer must support printing of ticket with ticket length as per black mark ( not as per fixed length) so that different length ticket stationary can be accommodated in the same printer.

Printer should return NOT READY status when not bale to print the ticket ( i.e. paper out , cover open ,head open or any other error in printer.

At the time of loading of paper roll (including printer power ON /OFF and cover open) printer should start from the second line.

Printer should have paper guide to align the paper.

All the feed buttons should be disabled. Printer should have only power button.

Printer should support printing on thermal roll rolled on either side.

In case of serial interface default baud rate should be 38400.

Facility to monitor number of power on counts, number of auto cot counts ,number of times the printer cover has been opened, whenever required is response of commands .These counters should be reset to zero in response of some reset commands.

Status of tickets printed and delivered-success/failure should be returned in response of command.

### Return status from printer

- Serial interface: Printer Ready -4126 (in hex), Printer not ready -40006 (in hex)
- Parallel interface: Printer ready -DF (in hex), Printer not ready -7F (in hex)
- USB interface: printer ready -18 9 (in hex ), Printer not ready -any other positive value

### Line Spacing:

Default line spacing should be 1/8 inch. It should also support 1/6inch line spacing

\* Specificaion's are subject to change without prior notice

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