

THERMAL LABEL PRINTER

# EPSON TM-L90



## EPSON TM-L90 counter-based label printer

- Superb paper handling
- Superior design
- Usability

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**EPSON®**  
RETAIL SOLUTIONS

EPSON RETAIL SOLUTIONS



# EPSON TM-L90

## a revolution in label printing

EPSON brings you the TM-L90, its revolutionary new label printer. Until now, label printers have been placed at the back, in the stockroom - anywhere so they can't be seen by customers. But EPSON's new TM-L90 thermal label printer changes all that. Designed for retailers, post offices, and all other establishments that need to print labels - fast - in front of customers, its attractive, practical design makes it ideal for businesses that rely on face-to-face customer contact. And it's not only speed and versatile paper handling that sets the TM-L90 in a class of its own. A first for a printer of its type, the TM-L90 gives users the choice of printing in either one or two colours. Logos and highlighting are just some of the exciting design possibilities that are opening up - with the EPSON TM-L90.



### Label Printing

Whether they contain barcodes, addresses, or other vital information, printed labels are fast becoming a necessity in a variety of consumer-orientated businesses. For retailers of all kinds, ticketing agencies, post offices or delivery companies, a fast, accurate and versatile label printer has become an absolute must. And that is where EPSON comes in. The fastest label printer in its class\* - and the first of its kind that can print in two colours\* - the TM-L90 is revolutionising the way that labels are printed.



### 2-Colour Printing<sup>†</sup>

The ability to print in two colours puts the EPSON TM-L90 in a class of its own.\* Previously unknown in such a printer, this exciting new feature enables users to print their logo and to highlight the parts of the label or ticket they want to emphasise. Printing in two colours not only opens up a new world of design possibilities, but is sure to impress customers too.

<sup>†</sup> To print in two colours, users must load dedicated thermal paper and set the printer to the 2-colour printing mode.

\* All data in this pamphlet is correct as of January 1, 2001.

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## *superb paper handling*

### High-speed

There's no need to keep customers waiting with the EPSON TM-L90. Printing at a maximum speed of 150 mm/sec, there's no doubt that it's the fastest printer in its class\* – even when printing barcodes and logos. \* 2-colour printing speed is 50 mm/sec.

### Large paper rolls

The EPSON TM-L90 provides you with all-round paper-handling versatility. The ability to handle paper rolls of up to 90 mm in diameter reduces paper-loading downtime and saves on the cost of purchasing label paper.

### Selectable paper width

You don't have to buy another printer to print on different size paper. With a simple spacer adjustment, users can adjust the TM-L90 to suit a variety of label types and sizes. Available paper widths range from 38-70 mm (with spacer), or 80 mm.

## *superior design*

### Compact

A compact design and small footprint makes the TM-L90 ideal for counters with limited space. Its low profile means that face-to-face contact with your customers is unimpeded, and there are no sharp corners or jutting out parts to get in the way.

### Cable management

The TM-L90 avoids the problem of unsightly cables by having all its interfaces located beneath the main unit. With convenient holes providing flexibility for installation, there's no need for cables to detract from the atmosphere of your establishment.

### Easy to site

Available in two attractive colours, the TM-L90 is designed to blend into even the most refined of establishments. Install the printer vertically or horizontally, or use the optional wall-hanging bracket to move it off the counter altogether.

## *usability*

### Easy operation and maintenance

The TM-L90 is so easy to use that it requires almost no training for even the most inexperienced of staff. With no complicated paper feeding, the drop-in loading method allows operators to open the door and load new paper in a few short seconds.

### Reliable

There's nothing more annoying for you – and your customers – than paper jams. Not only are paper jams unlikely with the TM-L90, but they are easy to clear when they do occur. A long lifespan allows your TM-L90 to print up to one million labels or twenty million lines. (MCBF: Seventy million lines when printing receipt)

### Flexibility

The EPSON TM-L90 can be operated using all standard commands and drivers for the retail environment. For Asian markets, a variety of languages are supported as a factory option.



Step 1



Pull the lever, and open the door until it is fully open.

Step 2



Insert the paper roll.

Step 3



Close the door. The paper is fed automatically.



203mm

148mm

140mm

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## Specifications

|                              |                                                                                                                                                                          |
|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>PRINT METHOD</b>          | Thermal Line Printing                                                                                                                                                    |
| <b>PRINT FONT</b>            |                                                                                                                                                                          |
| FONT                         | 9x17 / 12x24                                                                                                                                                             |
| COLUMN CAPACITY              | 64 / 48 columns                                                                                                                                                          |
| CHARACTER SIZE (mm)          | 1.1 (W) x 2.1 (H) / 1.5 (W) x 3.0 (H)                                                                                                                                    |
| CHARACTER SET                | 95 Alphanumeric, 37 International, 128 x 11 Graphic<br>Barcode: UPC-A, UPC-E, Jan 13 (EAN), Jan 8 (EAN), CODE39, CODE93, CODE128, ITF, CODABAR, PDF417, MaxiCode, QRCode |
| CHARACTERS PER INCH          | 22.6cpi / 16.9cpi                                                                                                                                                        |
| <b>INTERFACE</b>             |                                                                                                                                                                          |
|                              | RS-232, Bi-directional parallel<br>Dealer option: RS-485, USB, 10 Base-T I/F                                                                                             |
| <b>DATA BUFFER</b>           | 4 KB OR 45 bytes                                                                                                                                                         |
| <b>PRINT SPEED</b>           | Max. 150mm/sec                                                                                                                                                           |
| <b>PAPER DIMENSIONS</b>      | Roll paper: Max. 79.5 ± 0.5mm x dia. 90.0mm                                                                                                                              |
| <b>PAPER THICKNESS</b>       | 0.06 to 0.15mm                                                                                                                                                           |
| <b>POWER</b>                 | 24 VDC ± 7%                                                                                                                                                              |
| <b>POWER CONSUMPTION</b>     | Approx. 1.7 A (mean)                                                                                                                                                     |
| <b>D.K.D. FUNCTION</b>       | 2 drivers                                                                                                                                                                |
| <b>RELIABILITY</b>           |                                                                                                                                                                          |
| MTBF                         | 36x10 <sup>4</sup> hours                                                                                                                                                 |
| MCBF                         | 70x10 <sup>6</sup> lines (when printing receipt)                                                                                                                         |
| <b>OVERALL DIMENSIONS</b>    | 140 (W) x 148 (D) x 203 (H) mm                                                                                                                                           |
| <b>MASS</b>                  | Approx. 1.9 kg                                                                                                                                                           |
| <b>EMC STANDARDS</b>         | VCCI class A, FCC class A, CE marking, AS/NZS 3548 class B                                                                                                               |
| <b>POWER SUPPLY (OPTION)</b> | PS-170, PS-180                                                                                                                                                           |
| <b>SAFETY STANDARDS</b>      | UL / CSA / TÜV (EN60950)                                                                                                                                                 |

## OPTIONS

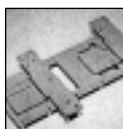
### POWER SUPPLY



PS-170  
Power Supply Unit



PS-180  
Power Supply Unit



WH-10  
Wall Hanging Bracket

## ESC/POS® Proprietary Command System

EPSON took the initiative by introducing ESC/POS, a proprietary POS printer command system including patented commands and enabling versatile POS system construction with high scalability. Compatible with all types of EPSON POS printers and displays, this proprietary control system also offers the flexibility to easily make future upgrades. Its popularity is worldwide.

## OLE POS

Taking the lead worldwide, EPSON offers OCX driver software for application development support in Windows® 95/NT environments.



Conforms to OLE POS specifications.

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