

Versatile and Ideally Equipped: the Thermal Printer TM-T90

With the TM-T90 EPSON presents a high-end thermal printer for the POS. Its special features are an amazingly fast printing speed, high-resolution printing quality and a wide range of applications.

Thanks to a resolution of 180 x 180 dpi complex, sharp reproductions of graphics and logos are child's play for the new thermal printer. In addition, it prints 2D bar-codes with great accuracy. This type of bar-code can carry considerably more information than conventional bar-codes. This means the new 1-station printer from EPSON is ideally equipped today to meet the demands of tomorrow at the POS.

The use of a special grade of thermal paper which reacts to two different temperatures enables the printer to print not only in the obligatory black, but also in a second colour. Thanks to the colour highlighting of special notes, for instance, the receipt can also be used as a means of securing customer loyalty: as a trading stamp, a loyalty slip to collect or as an advertising medium for special promotions. This means that the retailer can cut out the cost of extra communication media, such as vouchers or flyers—and at the same time distinguish himself from his competitors with a truly innovative receipt.

Fast and flexible

The thermal printer TM-T90 achieves up to 170 millimetres per second and can be configured with a serial, parallel, USB or Ethernet connection. Like all EPSON thermal printers, the "new-comer" naturally also has an interface for the automatic opening of up to two cash drawers. And thanks to the tried and tested drop-in method, changing the paper roll is a fast and simple task.

The TM-T90 features an integrated paper cutter which ensures a clean, quick cut at exactly the right time. A selection of optional paper widths permits great flexibility in the design of receipts.

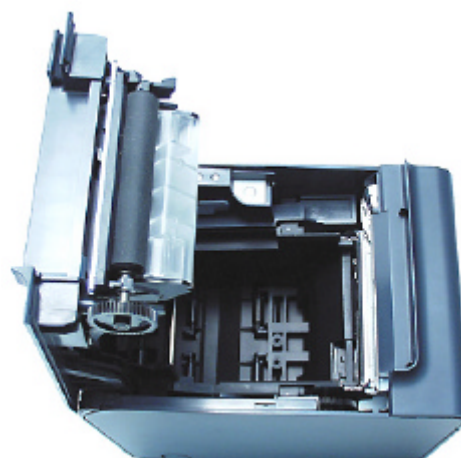
The housing of the TM-T90 is designed so that it can be installed standing upright, lying down or suspended on the wall, depending on the location. All cable connections are concealed within the housing. No matter how the printer is used, its high printing speed is guaranteed. With an MCBF capacity of 70 million lines and the printers' energy-saving mode, the printer also stands for maximum reliability coupled with low energy costs. As well as this, the high-end thermal printer is obtainable not only in EPSON cool white, but also in EPSON dark grey.



EPSON's fastest thermal printer with 2-colour option



Also in „Dark grey“ a beauty on every POS



Compact high-tech: The TM-T90

Features of TM-T90

Your Benefit

High-end thermal print technology	Quiet printing for a convenient atmosphere in the cash zone; Printer can also be used in high-class shops; avoids disturbing the staff and the customers at POS
Can be used horizontally, vertically or wall mounted	Saves space at the POS that can be used for more revenue
Outstanding reliability: MCBF: 70 Mio. lines MTBF: 360.000 hours	The high reliability results in a low error ratio and avoids failures of cash systems due to printer problems
Excellent print quality	A cleanly printed receipt contributes towards the positive way the company presents itself
2-colour printing	Colour makes special offers better visible; coupons and logos can be highlighted
Functional and smooth housing	All components of the printer are easy to reach and to clean
Printing speed up to 170 mm/s or 54 lps even for graphic printing	Saves time at POS during the cash procedure; avoids customer queues in the cash zone; fast print of sharp bar-codes and logos
Razor sharp Barcode-printing incl. 2-D-codes like PDF-417	Barcodes can be used for coupons, stock or logistic applications
Easy drop-in paper loading	Time saving at the POS and error-free change of roll paper as well as a short training period of the cashier staff
Large paper rolls of 102 mm diameter can be used	Saves time and money; reduced paper cost for large rolls; change of paper roll less often
Variable paper width of 80, 60, 58 mm	High flexibility; can save money when small paper width is used
Digital LOGO function	Easy support when it comes to use logos or to present special offers of trade in an advertising effective form
Auto-status-back function	The printer gives valuable information about status of paper roll, slip insertion and others; reduces programming time and costs
Remote diagnosis function	Supports diagnosis, maintenance and service of the printer, gives additional statistic information of POS-systems
Environment-friendly stand-by power save mode	Saves energy and money as well
Integrated paper cutter	The sharp cut adds to the clean image of receipt paper; avoids dust from receipt paper and increases the reliability
Interface can be exchanged	Gives flexibility for applications of the future; printer can be used for many branches; saves the investment
Excellent MTBF and MCBF values	The high reliability results in a low error ratio and avoids failures of cash systems due to printer problems; leads to low TCO
Built-in drawer kick out interface to connect up to two drawers	Saves an additional interface for the cash drawer within a system; Two drawers make handling of different currencies easy
Available with parallel, serial, USB- or Ethernet interface	The printer can be easily adapted to any current or future system configuration
Supports the well known ESC/POS code for POS-printers	Ensures compatibility with all EPSON POS-printers and peripherals; offers flexibility for future expansions
Free-of-charge OLE/POS - OCX printer software for Windows	OCX printer software for application development support reduces the time period for application development
An EPSON product	The performance of a strong partner, wide experience and support, compatibility to all EPSON peripherals

Technical Data EPSON TM-T90

Printing method	Direct thermal 180 x 180 dpi 2-colour printing depending on thermal paper
Print font	B: 9 x 17 A: 12 x 24
Column capacity (79,5mm)	B: 56 A: 42
Character size mm	B: 1,27 x 2,4 A: 1,69 x 3,39
Character sets	95 alphanumeric, 37 international chars., 128 x 11 tables
Bar-codes	UPC-A, UPC-E, JAN13 (EAN), JAN6 (EAN), CODE39, CODE93, CODE128, ITF, CODABAR, PDF417
Interfaces	Standard: RS-232, parallel, optional: RS-485, USB, Ethernet Cash drawer(s) Power supply
Buffer/Memory	Receive buffer: 45 byte or 4 KB (DIP-switch) User memory: 12 KB Macro: 2 KB Bit image NV: 0-384 KB User NV: 1-192 KB Page mode area: 106 KB
Print speed	Standard: 150 mm/s Bar-codes: 100 mm/s 2-colour: 55 mm/s
Paper	Width: 79,5 mm +/-0,5 59,5 mm +/-0,5 57,5 mm +/-0,5 max. diameter: 102 mm
Auto cutter	„Partial cut“ or „Full cut“
Power consumption	1,7A printing (average), 0,1A in stand-by mode
Power supply	PS-180
Cash drawer	Up to two drawers can be addressed
Reliability	MCBF: 70 million lines MTBF: 360.000 hrs. Auto cutter: 2 million cuts
Dimensions W x D x H:	140 mm x 201 mm x 148 mm
Colour	„EPSON cool white“ or „EPSON dark grey“
Weight	1,8 kg (w/o paper)
Features included	„Drop-in“ paper load Integrated 'auto-status-back'-function (ASB) „Paper end“- and „Paper near end“-sensor
Box included	Cable cover Powerswitch cover Paper roll PS-180
Options	Wall-hanging bracket WH-10 DM-D customer display Paper guide (PG-90)
Safety standards	CE mark, EN55022 Class B, EN55024, EN60950