The 2-colour Label- and Receipt Printer TM-L90

With the TM-L90 EPSON offers a new high-end thermal label and receipt printer for the POS and industrial applications. Its special features are an amazingly fast printing speed, high-resolution printing quality and a wide range of applications. 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 a resolution of 203 x 203 dpi complex, sharp reproductions of graphics and logos are child's play for the new thermal printer. In addition, it prints various 2D bar-codes with great accuracy. This type of bar-code can carry considerably more information than conventional bar-codes and is used in logistics, photo-development, post or industrial applications. This means the new 1-station printer from EPSON is ideally equipped today to meet the demands of tomorrow at the POS.

Flexible and reliable

The housing of the TM-L90 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.

The thermal printer TM-L90 achieves up to 150 millimetres per second and can be configured with a serial, parallel, USB or Ethernet connection.

Like all EPSON thermal printers, the "newcomer" 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-L90 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 and labels. As well as this, the high-end thermal printer is obtainable not only in EPSON cool white, but also in EPSON dark grey and with or without PS-180 power supply.

Uses labels of different size with and without black marks: EPSON TM-L90

Also in „Dark grey" a beauty

Drop-in paper load for rolls up to 90 mm diameter

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Features of TM-L90 Your Benefit

Features of TM-L90	Your Benefit
High-end thermal label and receipt printing	High flexibility by printing labels in many sizes or receipts
Printing labels in various sizes	Can be used for many applications like e.g. Logistics, photo shops, industry, pharmacies, warehouses...
High printing speed of 150 mm/s or 47 lps even for graphics printing	Saves time at POS during the cash procedure; avoids customer queues in the cash zone; fast print of sharp bar-codes and logos
Can be used horizontally, vertically or wall mounted	Gives highest flexibility in the often small POS area
Compact footprint, 14 x 14,8 cm incl. cable cover	Saves space on the counter; cable connectors are hidden and safe
Variable paper width of 80, 70 - 38 mm	High flexibility; can save money when small paper width is used
2-colour printing	Colour makes special offers better visible; coupons and logos can be highlighted
Barcode-printing incl. 2-D-codes like PDF-417	Barcodes and 2D-barcodes can be used for stock or logistic applications
High reliability: MCBF: 70 Mio. lines (b/w print) MTBF: 360.000 hrs. (b/w print)	The high reliability results in a low error ratio and avoids failures of cash systems due to printer problems; excellent TCO; avoids demotivation of cashiers
Functional and smooth housing	All components of the printer are easy to reach and to clean
Large paper rolls of 90 mm diameter can be used	Saves time and money; reduced paper cost for large rolls; change of paper roll less often
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
Environment-friendly stand-by power save mode	Saves energy and money as well
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
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

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Technical Data EPSON TM-L90

Printing method	Thermal 203 x 203 dpi 2-colour printing depending on thermal paper
Print font	B: 9 x 17; A: 12 x 24
Column capacity (79,5mm)	B: 64; A: 48,
Character size mm	B: 1,13 x 2,13; A: 1,50 x 3,00
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, MaxiCode, QRCode
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 – 127 KB Page mode area: 0 – 106 KB
Print speed	High-speed: 150 mm/s bar-codes: 90 mm/s 2-colour print: 90 mm/s
Paper	Width: 79,5 mm +/-0,5; 69,5 mm +/-0,5 up to 37,5 mm +/-0,5 max. diameter: 90 mm
Autocutter	Standard: partial cut („full cut" by adjusting the blade)
Power consumption	1,7A printing 0,1A stand-by mode
Power supply	PS-180
Cash drawer	Up to two drawers can be addressed
Reliability	MTBF: 360.000 hrs. MCBF: 70 million lines Auto cutter: 2 million cuts
Dimensions	W x D x H: 140 mm x 148 mm x 201 mm
Colour	„EPSON cool white" or „EPSON dark grey"
Weight	1,9 kg (w/o paper)
Features included	„Drop-in" paper load Integrated 'auto-status-back'-function (ASB) „Paper end"- and „Paper near end"-sensor „Label presence"-Sensor, „Black-mark"-Sensor
Box included	Cable cover, Power switch cover, paper width adapter, 4 rubber feet and panel label for vertical mount, Paper roll, manual, paper guide for horizontal installation
Options	Wall-hanging bracket WH-10 DM-D customer display
Variants	TM-L90 „Box", Content: EPSON Business Label Software + TM-L90 USB + PS-180 + USB-cable + power cable + 2 sample label rolls
EMI standard	CE mark, EN55022 Class B, EN55024, EN60950

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