

# Epson TM-L90 Liner-free

DATASHEET



Restaurants, cafes and coffee shops can improve efficiency, order accuracy and customer satisfaction with the Epson TM-L90 Liner-free. A thermal receipt printer from Europe's number one POS printer manufacturer\*, the TM-L90 Liner-free is compatible with liner-free adhesive media. It provides businesses with a reliable method for labelling customers' food and drink orders to ensure they are correct.

As the TM-L90 Liner-free works with standard thermal receipt paper as well as liner-free NCR Receipt on Label (RoL™) paper, users only need one printer model for their receipt printing and order-labelling requirements. This removes the need to keep back-up stock of multiple printer models, and reduces servicing and support costs.

The TM-L90 Liner-free is compatible with 40 and 80mm paper widths, automatically detecting paper width so users can easily switch media without changing the application.

To reduce paper consumption, an automatic top margin reduction feature allows to print the top of the next receipt before cutting the current one when printing continues after auto cutting.

For lower bills and environmental impact, the TM-L90 Liner-free is designed for power efficiency and is qualified by ENERGY STAR when used with Epson's PS-180 power supply. The TM-L90 Liner-free can be installed vertically or horizontally, or wall-mounted using a hanging bracket.

## KEY FEATURES

- Thermal printer compatible with both standard thermal receipt paper and liner-free NCR Receipt on Label (RoL™)
- Provides a reliable way to label food and drink orders with adhesive-backed receipts
- Black mark sensor to cut between areas of adhesive
- Automatic paper width detection for 40 or 80mm paper widths– no need to change applications when switching media



Simple paper loading



Various installation options



Easy access from top of printer

\* Source: Interconnection Consulting, 2010

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## PRODUCT SPECIFICATIONS

PRINT METHOD	Thermal line printing
PRINT FONT	40mm paper: 9 x 17 / 12 x 24, 80mm paper: 9 x 17 / 12 x 24 (TM-L90 comp. mode, auto-scaling disabled)
Font	40mm paper: 31/23, 80mm paper: 64/48 (TM-L90 comp. mode, auto-scaling disabled)
Column capacity (columns)	1.13 x 2.13mm / 1.5 x 3.0mm (TM-L90 comp. mode, auto-scaling disabled)
Character size (W x H)	95 Alphanumeric, 37 International, 128 x 11 Graphic,
Character set	Barcode: UPC-A, UPC-E, JAN13(EAN), JAN8(EAN), CODE39, CODE93, CODE128, ITF, CODABAR, Two-dimensional code: PDF417, MaxiCode, QRCode
INTERFACES	RS-232, USB Dealer option: UIB concept
DATA BUFFER	4 KB or 45 bytes
PRINT SPEED	170mm/sec for standard thermal receipt 90mm/sec for NCR Receipt on Label (RoL™)
PAPER	
Dimensions	Rollpaper: Max. 79.5 ± 0.5mm / 40.0 ± 0.5mm x dia. 102mm
POWER	24 VDC ± 7%
POWER CONSUMPTION	Approx. 1.7 A (mean)
D.K.D.FUNCTION	2 drivers
RELIABILITY	MTBF: 36 x 10 <sup>4</sup> hours (when used with standard thermal paper) MCBF: 70 x 10 <sup>6</sup> lines (when used with standard thermal paper)
DIMENSIONS (WxDxH)	140x148x203mm
WEIGHT	1.9 kg
EMC STANDARDS	CE marking
SAFETY STANDARDS	UL / CSA / TÜV (EN60950) / GOST-R
POWER SUPPLY	PS-180
OPTION	Wall-hanging bracket WH-10



## PRODUCT LOGISTICS

	COLOUR	PS	AC CABLE	CODE	CARTON WEIGHT	CARTON DIMENSIONS (W x D x H)
TM-L90 Liner Free	ECW	Serial	EURO	C31C412607	2,5kg	193 x 257 x 241mm
			UK	C31C412609		
		UB-U03	EURO	C31C412615		
			UK	C31C412617		
	EDG	Serial	EURO	C31C412608		
			UK	C31C412610		
		UB-U03	EURO	C31C412616		
			UK	C31C412618		



For further information please contact your local Epson office or visit [www.epson-europe.com](http://www.epson-europe.com)

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abwehrend. Ab 1.3.2010 Mobilfunkpreis max. 0,42 €/Min.) **Greece** 210-8099499 **Hungary** 06800 147 83 **Ireland** 01 436 7742 **Italy** 02-660321 10  
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## WHAT'S IN THE BOX

- Epson L90 Liner-free main unit
- User's manual
- Panel label for vertical installation
- Power supply (PS-180)
- AC cable (for specified models only)