

# Transfer Printer M4

## Technical Data



Printhead		M4	
Printing method	Thermal-direct/Thermal transfer		
Printhead system	thick film		
Printhead resolution dpi	203	300	
Print speed mm/s	150	100	
Print width up to mm	104	108,4	
<b>Labels</b>			
Material - labels, continuous mat. on rolls or leporello, thermal and standard paper, cardboard, textil <sup>1</sup> , plastic foil: PE, PP, PVC, PA			
Material thickness mm / Weight g/m <sup>2</sup>	0,07 - 0,3 / 60 - 300		
Media roll			
Total diameter up to mm	210		
Core diameter mm	38,1 - 76		
Winding direction (internal rewind only outside)	inside or outside		
Width of liner mm	120		
Label width mm	12 - 116		
Label width when dispensing <sup>2</sup> min. mm	25		
Label height mm	5 - 1.000		
Label height when dispensing <sup>2</sup> min. mm	12		
<b>Ribbon</b>			
Ink	inside or outside		
Roll diameter up to mm	80		
Core diameter mm	25		
Running length variable up to m	500		
Width up to mm	114		
<b>Internal rewinder</b>			
Total diameter up to mm	145		
Core diameter mm	38,1		
Winding direction	only outside		
<b>Dimensions</b>			
Height x Depth x Width mm	274 x 446 x 242		
Weight kg	9		
Energy consumption max. W	200		
<b>Label sensor</b>			
See-through/Reflective sensor from below, Adjustable mm	4 - 57,5		
<b>Electronics</b>			
Processor 32 Bit ColdFire	64 MHz		
RAM	8 MB		
ROM	4 MB Flash		
Slot for memory card: CompactFlash Type 1	Standard		
Real time clock/date	Standard		
Operation panel as Navigatorpad: keys/backlights	3/4		
<b>Interfaces</b>			
Serial RS 232 C 1,200 bis 230,400 bauds/8 bit	Standard		
Ethernet 10/100 Base T, LDP, RawIP-Printing, DHCP, HTTP, FTP, SMTP, SNMP, Time	Standard		
USB Slave for PC connection	Standard		
Peripheral connection	Standard		
Wireless LAN	on request		
<b>Memory card</b>			
CompactFlash Type I	16 up to 512 MB		
<b>Cutter</b>			
	<b>Type 1</b>	<b>Type CU4</b>	
Material weight up to g/m <sup>2</sup>	200	300	
Material width up to mm	120		
Material height from mm	2 <sup>1</sup>		
<b>External rewinder</b>			
	<b>ER1</b>	<b>ER4</b>	
Total diameter mm	210	300	
Core diameter with or without cardboard core mm	40		
or with cardboard core mm	76		
Material width up to mm	120		
Winding speed up to mm/s	300		
Winding direction	inside or outside		
Power supply by printer	■	-	
Mains connection 100 - 240 V ~	-	■	
<b>External unwinder EU 4</b>			
Total diameter mm	300		
Total diameter with or without cardboard core mm	40		
or with cardboard core mm	76		
Material width up to mm	120		
Winding direction	inside or outside		

Characters		M4	
Font types	5 Bitmap fonts incl. OCR-A, OCR-B and 3 vektor fonts Swiss 721, Swiss 721 Bold and Monospace 821 available internally, loadable TrueType fonts		
Character sets	Windows 1250 up to 1257, DOS 437, 737, 775, 850, 852, 857, 862, 864, 866, 869, EBCDIC 500, ISO 8859-1 up to -10, -13 bis -16, WinOEM 720 UTF8, Macintosh Roman, DEC MCS, K018-R. All West and East European latin, cyrillic, greek, hebrew and arabic characters are supported.		
<b>Font sizes</b>			
Bitmap fonts	Size of width and height 1 - 3 mm scalable up to a factor of 10		
Vektor fonts	Size of width and height 0,9 - 128 mm infinitely scalable		
Font formats	Bold, italic, underlined, outline, negative, grey, vertical, depending on character fonts		
Font width	Extended, compressed		
<b>Print directions</b>			
Bitmap-Fonts/Barcodes	0°, 90°, 180°, 270°		
Speedo-/TrueType-Fonts	360° of rotations in 1° increments, mirrored label image		
<b>Graphics</b>			
Graphic elements	Line, arrow, box, circle, ellipse, filled segments, filled segments with fading		
Graphic formats	PCX, IMG, BMP, TIF, GIF, MAC		
<b>Barcodes</b>			
Linear Barcodes	Code 39, Code 93 Code 128 A, B, C Codabar EAN 8, 13, 128 EAN/UCC 128 EAN/UJC Appendix 2 EAN/UJC Appendix 5 FIM HIBC	Interleaved 2/5 Ident and lead code of Deutsche Post AG Jan 8,13 MSI Plessey Postnet RSS 14 UPC A, E	
2D-Barcodes	Aztec, Codablock F, Data Matrix, PDF 417, Micro PDF, UPS Maxicode, QR-Code		
	All barcodes variable in height, module width and ratio. Optionally with check digit, printed characters and start/stop code depending on barcode type.		
<b>System checks</b>			
Stop of printing if	End of ribbon End of labels /continuous material		
Test facilities	System diagnosis of memory when powered ON, Print-out of system data		
Status reports	Total print length Total operation hours		
<b>Software</b>			
Windows driver	MS Windows 95, 98, ME, 2000, XP MS Windows NT starting with version 4.0		
cablabel	As Lite free version in the content of delivery. With the Advanced, Professional and Expert versions you create even complex labels.		
Tools	Administrator tool to control several printers from one place.		
abc-Compiler	Basic-Compiler to run individual programs		
Power supply		100 - 240 V ~ 50/60 Hz, PFC	
Operating temperature/humidity not condensing		10 - 35 °C/30 - 85%	
Safety regulations		CE, FCC class 1	

<sup>1</sup> depending on material limitations

<sup>2</sup> Depending on label size, material and adhesive limitations are possible.

We therefore recommend to test the dispense ability and print tolerances in advance.

# Delivery Program M4

## The Accessories for Your Application



	Basic device	R-version	P-version (without present sensor)
tear off	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
internal rewind	-	<input checked="" type="checkbox"/>	<input type="checkbox"/>
dispense	-	-	<input checked="" type="checkbox"/>
cut	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
external rewind	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Standard  
 Accessories

M4



Print head	Part no.	Description	Part no.	Description	Part no.	Description
203 dpi	<b>5946730</b>	Thermal-direct Printer M4/200	<b>5946731</b>	Thermal-direct Printer M4/200R	<b>5946732</b>	Thermal-direct Printer M4/200P
203 dpi	<b>5946720</b>	Transfer Printer M4/200	<b>5946721</b>	Transfer Printer M4/200R	<b>5946722</b>	Transfer Printer M4/200P
300 dpi	<b>5946733</b>	Thermal-direct Printer M4/300	<b>5946734</b>	Thermal-direct Printer M4/300R	<b>5946735</b>	Thermal-direct Printer M4/300P
300 dpi	<b>5946723</b>	Transfer Printer M4/300	<b>5946724</b>	Transfer Printer M4/300R	<b>5946725</b>	Thermal-direct Printer M4/300P

**Contents of delivery:** Transfer Printer, Power Supply, Operation manual, Windows driver, cablabel Lite, Service manual on CD-ROM

### Accessories



Part no.	Description	for printer
<b>5948030</b>	Cutter 5 300 g/m <sup>2</sup>	M4 / A3 / A4
<b>5948000</b>	Cutter CU4 500 g/m <sup>2</sup>	M4 / A3 / A4



<b>5946995</b>	Cutter tray 4	M4 / A3 / A4
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<b>5946900</b>	Present Sensor PS8 manual	M4/A3/A4/A6
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<b>5948102</b>	External rewinder ER1 Roll diameter 210 mm	M4 / A3 / A4
<b>5946090</b>	External rewinder ER4 Roll diameter 300 mm	M4 / A3 / A4



<b>5946091</b>	External unwinder EU4 Roll diameter 300 mm	M4 / A3 / A4
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<b>5946244</b>	Tear off plate TP4	M4 / A3 / A4
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<b>5946467</b>	Rewind guide RG4	M4 / A3 / A4
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### Spare Parts



Part no.	Description	for printer
<b>5942370</b>	Printhead 203 dpi Type 4203	M4 / A3
<b>5942371</b>	Printhead 300 dpi Type 4300	M4 / A3
<b>5942372</b>	Driver roller DR4	M4 / A3 / A4
<b>5946235</b>	Rewind assist roller RR4	M4 / A3 / A4



### Memory Cards



Part no.	Description	for printer
<b>5561028</b>	CompactFlash Type 1 Memory card 32 MB	M4/A3/A4/A6 /A8
<b>5561029</b>	CompactFlash Type 1 Memory card 64 MB	M4/A3/A4/A6 /A8

### Connecting Cables



Part no.	Description	for printer
<b>5550818</b>	Cable RS232 C, 9/9-pin, length 3 m	M4/A3/A4/A6 /A8
<b>5901616</b>	Cable USB, length 1,8 m	M4/A3/A4/A6 /A8

All specifications about delivery, design and technical data are given to the best of our current knowledge and are subject to change without prior notice.

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