

# 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 - 0.25 / 60 - 250 <sup>2</sup>	
<b>Media roll</b>		
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>3</sup> min. mm	25	
Label height mm	5 - 1000	
Label height when dispensing <sup>3</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>		
Material weight up to g/m <sup>2</sup>	500	
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	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°	
TrueType-Fonts	360° of rotations in 1° increments, mirrored label image	
<b>Graphics</b>		
Graphic elements	Line, arrow, box, circle, ellipse, filled, filled with fading	
Graphic formats	PCX, IMG, BMP, TIF, MAC	
<b>Barcodes</b>		
Linear Barcodes	Code 39, Code 93 Code 128 A, B, C Codabar EAN 8, 13, 128 EAN/UCC 128 EAN/JPC Appendix 2 EAN/JPC 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>		
Printing if	Ribbon available Labels /continuous material available	
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 for printer with Ethernet card to administrate severnal printers	
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> Material with more then 0.25 mm / 250 g/m<sup>2</sup> on request.

<sup>3</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>5948000</b>	Cutter CU4 500 g/m <sup>2</sup>	M4 / A3 / A4
<b>5946995</b>	Cutter tray 4	M4 / A3 / A4
<b>5946900</b>	Present Sensor PS8 manual	M4/A3/A4/A6
<b>5948102</b>	External rewriter ER1 Roll diameter 210 mm	M4 / A3 / A4
<b>5948100</b>	External rewriter ER4 Roll diameter 210 mm	M4 / A3 / A4 OM*
<b>5946090</b>	External rewriter ER4 Roll diameter 300 mm	M4 / A3 / A4 OM*
<b>5948170</b>	Adapter plate for ER/EU 4, 6, 8	M4 / A3 / A4
OM* = also for printers of other manufactures		
<b>5946091</b>	External unwinder EU4 Roll diameter 300 mm	M4 / A3 / A4 OM*
OM* = also for printers of other manufactures		
<b>5946244</b>	Tear off plate TP4	M4 / A3 / A4 for R/P version
<b>5946467</b>	Rewind guide RG4	M4 / A3 / A4 for P version

### 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

### Interface



Part no.	Description	for printer
<b>5561028</b>	Wireless Bridge with connecting cable and power supply	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

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