

FLEXIMARK® Thermoprint A4+M /300
DB 83259602EN
 valid from: 01.04.2010

General description

Perfect for industrial marking. The thermal transfer printing method increases the smudge and scratch resistance of the printed surface and provides increased resistance to oils and chemicals as well. For printing many different labels such as self-adhesive labels for equipment labelling (TA), cable markers (TCK) and shrink tubes.

The FLEXIMARK® Thermoprint A4+M/300 is build for uncompromising permanent operation and for high printing volumes. The Thermal transfer print is used for several applications. Every specific customer demand can be implemented due to the large periphery and software. Different designs, in many languages, in black and white, in color, with or without barcode – each label is printed by the label marking printer as desired, in the right quantity and without any mistake.


Product features

No adjustment of the print head for different widths of material.

Printing on very narrow or very thick continuous materials.

The gap height at the material sensor for flat tubes and synthetic tapes is up to 4 mm.

The print speed for difficult printable materials is specified to 30-125 mm/sec.

- Material guide: centred material position - the material is inserted centre aligned. Precise printing due to the material guide located directly behind the print roller. The width is adjusted with a spindle.
- Ribbon retainer: Easy and centred insertion of the ribbon with the threepart tightening axles. Due to the imprinted spacer positioning of the ribbon is facilitated.
- Label retainer: The labels are inserted into the label retainer and adjusted automatically by fitting with the margin stops.
- Operating mode: Stand-alone operation, PC-application or network.

Technical data
Print head

Printing method:	Thermal transfer- or Thermal direct-print
Print speed:	Up to 125 mm/s
Print width:	Up to 105,6 mm
Print resolution:	300 dpi
Material guidance:	Central material guide

Material

Labels, continuous rolls or fan-folded:	Paper, cardboard, textile, Synthetics like PET, PE, PP, PVC, PU, Acrylat, PU
Material thickness:	0,055 – 1,2 mm
Labels width:	4 – 106 mm
Shrinking tube width:	3,5 – 110 mm
Max. Roll- core diameter \varnothing :	38 – 100 mm
Material weight:	60 – 300 g/m ²
Width of liner or of continuous material:	10 – 110 mm
Label height:	5 – 1000 mm
Max. total diameter of media roll:	205 mm

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Ink:	Outside or inside
Roll diameter:	Up to 80 mm
Core diameter:	Up to 25 mm
Ribbon length:	variable up to 500 m
Width:	Up to 114 mm

Dimensions of the printer

width:	242 mm
height:	274 mm
Depth:	446 mm
weight:	9,0 kg

Electronics

Processor:	high speed 32 Bit ColdFire/Clock rate MHz 266
RAM:	64 MB
Memory IFFS:	Flash 8 MB
Slots:	Slot for CompactFlash-card Type I Slot for Wireless LAN-card
Battery cache for:	Real-time clock, printout of time and date, Storage of data with shut-down
Warning signal:	Acoustic signal when error

Interfaces

Centronics bidirectional acc. IEEE 1284:	optional
RS232 C 1.200 up to 230.400 Baud/8 Bit:	Standard
USB 2.0 High Speed Slave for PC-connection:	Standard
Ethernet 10/100 Base T, LPD, RawIP-Printing, ftp-Printing, DHCP, HTTP, FTP, SMTP, SNMP, TIME, Zeroconf, mDNS, SOAP:	Standard
RS422, RS485 1.200 up to 230.400 Baud/8 Bit:	optional
Peripheral connection:	Standard
WLAN card 802.11b/g WEP/WPA PSK (TKIP):	optional
2 x USB Master for:	external operation panel, keyboard, scanner, service key

Operation data

Power supply:	100 - 240 V - 50/60 Hz, PFC
Power consumption:	max. 300 W
Operation temperature:	10 - 35°C
Humidity:	30 - 85% not condensing
Approvals:	CE, FCC class A, CB, CCC, UL

Settings

Settings:	Time, date, digital or analog clock, 25 language settings, system settings, print parameters, interfaces, security
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Monitoring

Stop printing if:	End of ribbon, end of label, print head open
On the display:	Data reception, clock, WLAN field intensity, data sheet, Ethernet stat, abc Debug, used memory, input buffer, temperature print head, remaining quantity of ribbon, access to memory card

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Test routines

System diagnosis:	when switched on with testing of print head
Short status, status print:	font list, device list, WLAN state, profile of label, test grid, monitor mode, PPP state
Status reports:	Extensive status print with information about setting, e.g. print length counter, runtime counter etc., Request of machine state via software command. Detailed status messages on the display, e.g. network error-no link, barcode error etc.

Fonts

Font types:	5 Bitmap fonts incl. OCR-A, OCR-B and 3 Vector fonts Swiss 721, Swiss 721 Bold and Monospace 821 available internally, loadable TrueType fonts. Optional Chinese (simplified Chinese), Optional Thai
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 and -13 up to -16, WinOEM 720, UTF-8, Macintosh Roman, DEC MCS, KOI8-R. All West and East European latin, cyrillic, greek, hebrew and arabic characters are supported. Optional Thai and Chinese
Bitmap-fonts:	Size of width and height 1 - 3 mm zoom 2-10 Orientation 0°, 90°, 180°, 270°
Vector-/TrueType fonts:	Size of width and height 0.9 - 128 mm variable zoom, Orientation 360° in steps of 1°
Font formats:	Bold, italic, underlined, outline, negative, grey, vertical, depending on character fonts
Font width:	Variable

Graphics

Graphic elements:	Line, arrow, box, circle, ellipse, filled and filled with fading
Graphic formats:	PCX, IMG, BMP, TIF, MAC, GIF, PNG

Codes

Linear Barcodes:	Code 39, Code 93, Code 39 Full ASCII, Interleaved 2/5, Ident and leader code of Deutschen Post AG, Codabar, Code 128 A, B, C EAN 8, 13 JAN 8, 13, EAN/UCC 128, MSI, EAN/UPC Appendix 2, Plessey, EAN/UPC Appendix 5, Postnet, FIM, RSS 14, HIBC, UPC A, E, E0
2D-Codes:	Aztec, Codablock F, Data Matrix, PDF 417, Micro PDF 417, UPS Maxicode, QR-Code, RSS 14 truncated, limited, stacked und stacked omnidirectional, EAN, Datamatrix, GS1 Data Bar
	All codes variable in height, module width and ratio. Orientation 0°, 90°, 180°, 270°. Optionally with check digit, printed characters and Start/Stop code depending on code type.

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- 1 RS232C interface
- 2 USB 2.0 Slave-interface
- 3 Ethernet 10/100 Base T-interface with TCP/IP
- 4 Slot for Wireless LAN-Wifi-card.
- 5 Two USB-Master-interfaces to connect an external operation panel, keyboard, scanner or Service Key.
- 6 Slot for memory card CompactFlash Type I.

Scope of delivery

- FLEXIMARK® Thermoprint A4+M/300
- Operation manual
- Marking software FLEXIMARK® Software 10.0
- Driver for Windows®, Linux and Apple on CD-ROM
- Service manual on CD-ROM
- Power cable
- USB-cable (length 1.8m)

Additional accessories

- FLEXIPRINT TF single core marking
- FLEXILABEL TFL cable marking
- TA labels for cable marking
- TCK labels for cable marking
- FLEXIMARK® heat shrinkable tubing
- Ribbons R71
- Perforation cutter
- External rewinder