

Technical Data

BP-THT- PRECISION - Thermal Transfer Printers



	BP-THT Precision 200	BP-THT Precision 300	BP-THT Precision 600
Printing Method	Direct Thermal / Thermal Transfer		
Print Resolution	203 dpi	300 dpi	600 dpi
Print Speed - max	200 mm/s	150 mm/s	100 mm/s
Print width - max	104 mm	108.4 mm	105.5 mm
Selectable Print Speed	25mm increments from 50 to 100 mm/s, respectively 200mm/s		
Labels			
Material – labels, continuous material	Thermal and standard paper, textiles ¹ cardboard, plastic foil: PE, PPP, PVC, PA		
Material thickness mm / Weight g/m ²	0.07 – 0.25 / 60 – 250 (thicker material available on request)		
Materials	Polyimide: B-457, B-426, B-479 Polyester – White : B-422, B-423, B-488, B-489 Polyester – Metallised: B-435, B-428 PermaSleeves – PS-250-2W Self-Laminating and DuraSleeves – currently being tested		
Media Roll			
Total Diameter - max	200		
Core Diameter	25.40 – 76 mm		
Winding Direction	Inside or outside (internal rewind only outside)		
Width of Liner	120 mm		
Label Width	12 / 116 mm		
Label Width (when dispensing ² min.)	25 mm		
Label Height	5 – 1000 mm	5 – 1000 mm	5 – 250 mm
Label Height (when dispensing ² min.)	12 mm		
Ribbons			
Ink	Ink inside or outside		
Roll Diameter – max	80 mm		
Core Diameter	25 mm		
Running length variable – max	500 mm		
Width up to – max	114 mm		
Internal Rewind Unit			
Total Diameter – max	145 mm		
Core Diameter	38.10 mm		
Winding Direction	Outside only		
Physical Properties			
Height / Depth	274 / 446 mm		
Width	242 mm		
Weight	9 kg		
Energy Consumption - max	250 W		
Operating Temperature / humidity non condensing	10 – 35°C / 30 – 85%		
Power Supply	100 – 240 V – 50/60Hz, PFC		
Safety Regulations	CE, FCC Class 1		
Label Sensor			
See-through – Reflective from below, Adjustable	4 – 57.50 mm		
Electronics			
Processor 32 Bit – Coldfire (MHz)	64	64	144
RAM (MB)	8	8	16
ROM (MB)	2	2	4
Slot For Memory Card – Compact Flash Type 1	√		
Real Time Date / Clock	√		
Operation Panel as NavigatorPad: Keys / Backlights	4 / 8		
LCD-Graphic Display: text 2 lines / 20 characters, symbols	√		
Interface			
Serial RS 232 C 1.200 up to 230.400 baud / 8 bit	√		
Parallel Centronics Bi-directional acc. IEE 1284	√		
USB Master for Keyboard and Scanner	√		
Peripheral Connection	√		
Options			
Ethernet 10/100 Base T, LDP, RawIP-Printing, DHCP, HTTP, FTP, SMTP, SNMP, Time	Optional		
USB Slave for PC Connecting	Optional		
Accessories			
Cutter	Optional		
Present Sensor – Manual Operation – PS8	Optional		
Present Sensor – Automatic Operation – PS6	Optional		
External Rewind Unit	Optional		
External UnRewind Unit	Optional		
Memory Card – Compact Flash Type 16 up to 512 MB	Optional		

¹ depending on material limitations

² Depending on label size, material adhesive limitations are possible. We therefore recommend to test the dispense ability and print tolerances in advance.

Technical Data

BP-THT- PRECISION - Thermal Transfer Printers

Precision 200 / 300 / 600	
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 437,737,755,850,852,857,862,864,866,869, EBCDIC 500, ISO 8859-1, uo to-10, -13 upto -16, Win OEM 720, UTF8,Macintosh Roman, DEC MCS, KO18-R. All west and East European Latin, Cyrillic, Greek Hebrew and Arabic characters are supported.
Font Sizes	
Bitmap Fonts	Size of width and height: 1 – 3 mm Scaleable factor: 2 - 10
Vektor Fonts	Size of width and height: 0.9 – 128 mm Scaleable Factor: Infinate
Font Formats	Bold, italic, underline, outline, negative, grey, vertical – depending on character fonts
Font Widths	Extended , compressed
Print Directions	
Bitmap Fonts/Barcodes	0°, 90°, 180°, 270°
TrueType Fonts	360° of rotations in 1°, mirrored label image
Graphics	
Graphic Elements	Line, arrow, box, circle, ellipse, filled, filled with fading
Graphic Formats	PCX, IMG, BMP, TIF, MAC
Bar Codes	
Linear Bar Codes	Code 39, Code 93, Interleaved 2/5 Code 128 A, B, C Ident and lead code Codabar of Deutschen Post AG EAN 8, 13, 128 Jan 18, 13 EAN/UCC 128 MSI EAN/UPC Appendix 2 Plessey EAN/UPC Appendix 5 Postnet FIM RSS 14 HIBC UPC A, E
2D Bar Codes	Aztec, Codablock F, Data Matrix, PDF 417, Micro PDF, UPS Maxicode, QR-Code All bar codes variable in height, module width and ratio. Optionally with check digit, printed characters and start/stop depending on bar code type.
System Checks	
Printing if	Ribbon available Labels/continuous material available Printhead closed
Test Facilities	System diagnosis of memory when powered ON System diagnosis of printhead when powered ON Print-out of system data
Status reports	Total Print length Total operation hours
Software	
Windows Driver	95, 98, ME, 2000, XP windows NT starting with version 4.0
Tools	Administrator tool for printers with Ethernet Card to adminster several printers
abc Compiler	Basic compiler to run individual programs

Precision 200 / 300 / 600	
Cutter CU4	
Material Weight - max	500 g/m ²
Material Width - max	120 mm
Material Height min	2 mm depending on material limitatio
External Rewind Unit ER1, ER4	
Total Diameter – ER1	210mm
- ER4	300mm
Core Diameter	40mm (with/ without cardboard core) 76mm (with cardboard core)
Material Width – max	120 mm
Winding Speed - max	300 mm/s
Winding Direction - max	Inside or outside
Power Supply – ER1	From transfer printer
- ER4	With internal power supply
External Unwind Unit EU4	
Total Diameter	300 mm
Core Diameter	40 mm (with or without cardboard core) 70 mm (with cardboard core)
Material Width – max	120 mm
Winding Direction	Inside or outside

BP Precision

