

EasySet Bar Code Wand Setup

P/N 1-960560-00
Edition 1
November 2001

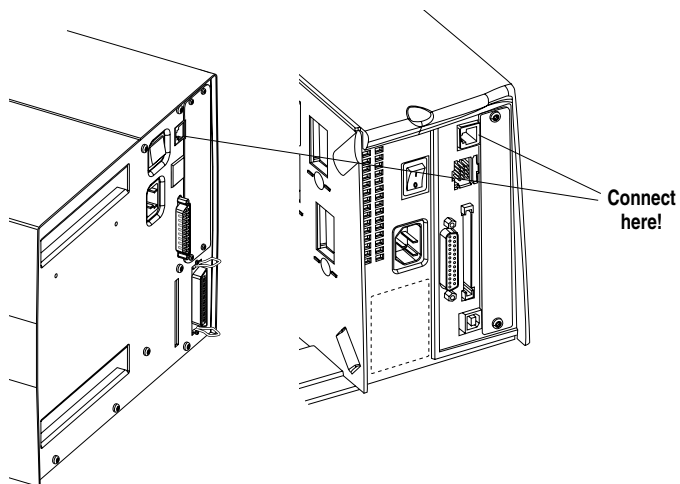
EasyCoder F/XP-Series Bar Code Label Printers

 **intermec**
Technologies Corporation

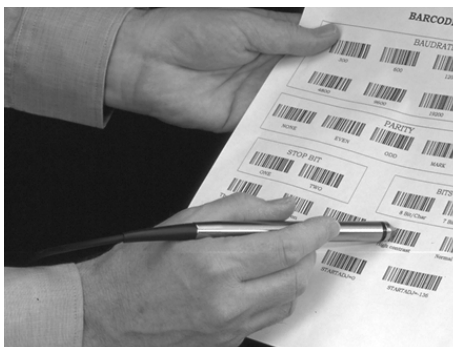
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1. Connection and Operation

1. Connect the optional EasySet bar code wand to the receptacle on the printer's rear plate.



2. Read the appropriate bar code to set up the printer. Hold the wand like a pencil and move it swiftly across the bar code.



3. When the bar code has been accepted, the printer emits a short beep and the "Ready" control lamp on the printer's front blinks briefly.

*EasyCoder F/XP-Series
EasySet Bar Code Wand Setup
Edition 1, November 2001
Part No. 1-960560-00*

2. Creating Setup Bar Codes

Introduction

The only bar code that can be used with the EasySet bar code wand is a Code 128 containing the function character FNC3 (ASCII 130 dec). If the FNC character is missing, the printer will regard the bar code as containing ordinary ASCII input to the "wand:" device.

The syntax for the bar code input data is:

```
START FNC3 CODE C <setup id1> <setup value1>[<setup
id2> <setup value2> ..... <checksum> STOP
```

The setup bar code may contain up to 100 bars, which corresponds to 15-16 characters.

Intermec Fingerprint creates START, CODE C, checksum and STOP automatically, so the only data you need to add to print a setup bar code is FNC3, the setup id, and the setup value.

Setup id is a two-digit number that specifies the setup parameter to be changed.

Setup value can be of three types:

- List index, which means a post in a list of fixed options specified by two digits.
- Unsigned number, which means a positive value in the range 0000 to 9999 specified by four digits. In the list on the pages to follow, unsigned numbers are represented by "UUUU".
- Signed number, which means a negative value in the range -5000 to + 4999 specified by four digits. To avoid having to use a minus sign (-) in the bar code, there is a negative offset of 5000, which means that:
 - Input value 5000 corresponds to the setup value 0
 - Input value 0 corresponds to the setup value -5000
 - Input value 9999 corresponds to the setup value 4999.
 In the list on the pages to follow, signed numbers are represented by "SSSS".

Introduction, cont.

Example:

Creating a bar code, which sets the contrast to -10% and the stop adjust value to 500:

```
10  BARSET "CODE128" , 2 , 1 , 3 , 240 (specifies bar code)
20  A$ = CHR$(130) (FNC3)
30  B%=7000 (contrast: setup id + list index)
40  C% = 915500 (stop adjust: setup id + signed number)
50  PRBAR A$;B%;C% (bar code input)
60  PRINTFEED (print bar code)
RUN (execute)
```

Serial Communication

Parameter	Setting	Setup ID			Setup Value
		uart1:	uart2:	uart3:	
BAUDRATE	300	00	20	40	00
	600	00	20	40	01
	1200	00	20	40	02
	2400	00	20	40	03
	4800	00	20	40	04
	9600	00	20	40	05
	19200	00	20	40	06
	38400	00	20	40	07
	57600	00	20	40	08
	115200	00	n.a.	n.a.	09
PARITY	none	01	21	41	00
	even	01	21	41	01
	odd	01	21	41	02
	mark	01	21	41	03
	space	01	21	41	04
CHAR LENGTH	7 bits	02	22	42	00
	8 bits	02	22	42	01
STOPBITS	1 bit	03	23	43	00
	2 bits	03	23	43	01
FLOWCONTROL, RTS/CTS	Enable	04	24	44	00
	Disable	04	24	44	01
FLOWCONTROL,ENQ/ACK	Enable	05	25	45	00
	Disable	05	25	45	01
FLOWCONTROL,XON/XOFF;DATA TO HOST	Enable	06	26	46	00
	Disable	06	26	46	01
FLOWCONTROL,XON/XOFF;DATA FROM HOST	Enable	07	27	47	00
	Disable	07	27	47	01
NEW LINE	CR/LF	08	28	48	00
	LF	08	28	48	01
	CR	08	28	48	02
REC BUF	0000 to 9999	09	29	49	UUUU
TRANS BUF	0000 to 9999	10	30	50	UUUU
BAUDRATE,PARITY,CHAR LENGHT,STOPBITS	see note!	15	35	55	see note!

Note: This setup bar code is used to change all four parameters using a generic ID, followed by the setup values according to each parameter in the list. For example to set "uart1:" for baudrate 19200, parity none, char length 7, and stopbits 2, use this input data to the bar code: 1506000001.

Feed Adjust

Parameter	Setting	ID	Value
FEEDADJ,STARTADJ	-5000 to +4999	90	SSSS
FEEDADJ,STOPADJ	-5000 to +4999	91	SSSS

Media

Parameter	Setting	ID	Value
MEDIA,CONTRAST	-10%	70	00
	-8%	70	01
	-6%	70	02
	-4%	70	03
	-2%	70	04
	±0%	70	05
	+2%	70	06
	+4%	70	07
	+6%	70	08
	+8%	70	09
	+10%	70	10
MEDIA,MEDIA SIZE,XSTART	0000 to 9999	71	UUUU
MEDIA,MEDIA SIZE,WIDTH	0000 to 9999	72	UUUU
MEDIA,MEDIA SIZE,LENGTH	0000 to 9999	73	UUUU
MEDIA,MEDIA TYPE	Label (w gaps)	74	00
	Ticket (w mark)	74	01
	Ticket (w gaps)	74	02
	Fix Length Strip	74	03
	Var Length Strip	74	04
MEDIA,PAPER TYPE	Direct Thermal	75	00
	Transfer	75	01
MEDIA,PAPER TYPE,TRANSFER,RIBBON CONSTANT	0000 – 9999	76	UUUU
MEDIA,PAPER TYPE,TRANSFER,RIBBON FACTOR	0000 – 9999	77	UUUU
MEDIA,PAPER TYPE,TRANSFER,LABEL OFFSET	-5000 – +4999	78	SSSS
MEDIA,PAPER TYPE,DIRECT THERMAL,LABEL CONSTANT	0000 – 9999	79	UUUU
MEDIA,PAPER TYPE,DIRECT THERMAL,LABEL FACTOR	0000 – 9999	80	UUUU
MEDIA,PAPER TYPE,TRANSFER,RIBBON CONSTANT,RIBBON FACTOR,LABEL OFFSET		81	see note
MEDIA,PAPER TYPE,DIRECT THERMAL,LABEL CONSTANT,LABEL FACTOR		82	see note
Note: This setup bar code is used to change all three or four parameters using a generic ID, followed by the setup values according to each parameter in the list. For example, to set paper type to transfer, ribbon constant to 110, ribbon factor to 35, and label offset to 0, use this input data to the bar code: 8101011000355000 .			

Media, cont.

Parameter	Setting	ID	Value
MEDIA,TESTFEED	see note 2	83	see note

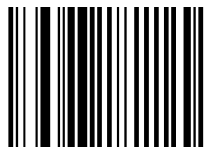
Note: The input data to a testfeed setup bar code is 83UUUUUUUU, where the first 4 digits specify the comparator value, and the second 4 digits specify the gain value.

Print Defines

Parameter	Setting	ID	Value
PRINT DEFS, PRINT SPEED	0000 to 9999	60	UUUU
PRINT DEFS,TESTPRINT	Test Label #1	61	00
	Test Label #2	61	01
	Test Label #3	61	02
	Test Label #4	61	03
	Test Label #5	61	04

Serial Communication on "uart1:" (All)

Baud Rate



4800



9600



19200



38400



57600



115200

Char. Length

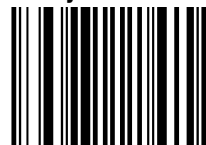


7



8

Parity



None



Even



Odd



Mark



Space

Serial Communication on "uart1:" (All), cont.

No. of Stop Bits

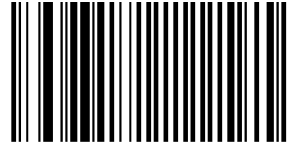


1



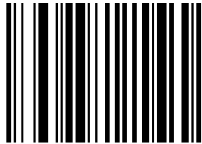
2

Reset comm. to default

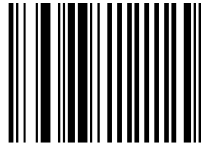


9600-8-none-1

RTS/CTS



Enable



Disable

ENQ/ACK



Enable



Disable

XON/XOFF, Data to Host



Enable



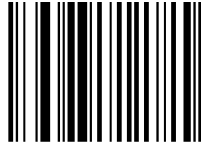
Disable

Serial Communication on "uart1:" (All), cont.

XON/XOFF, Data from Host

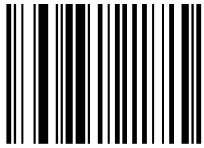


Enable

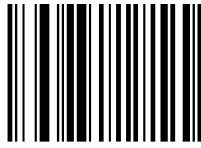


Disable

New Line



CR/LF

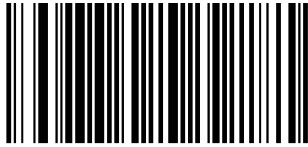


LF



CR

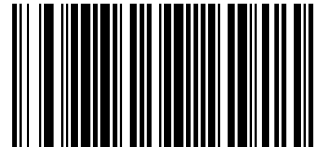
Start- and Stopadjust (F-Series only – 8 dots/mm)

Tear-Off

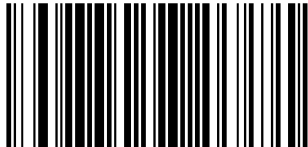
-100/0

Cut between labels

0/+160

Cut/Print from TOF

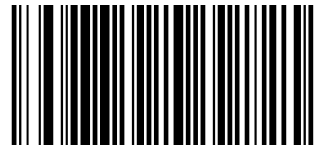
-250/+160

Cut Variable Length Strip

-250/+275

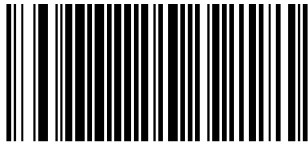
Peel-Off

-56/-44

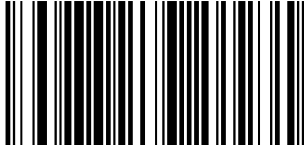
Default

0/0

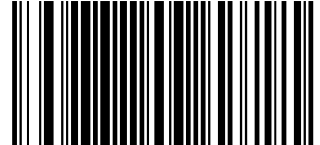
Start- and Stopadjust (XP-Series only – 12 dots/mm)

Tear-Off

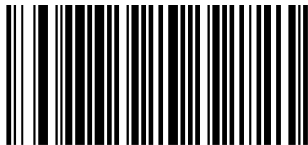
-175/0

Cut-Off

-425/+250

Peel-Off

-115/-60

Default

0/0

Contrast (All)



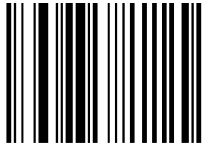
-10%



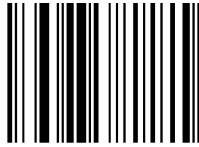
-8%



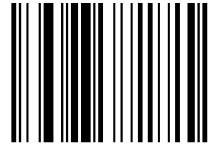
-6%



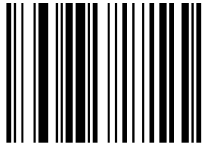
-4%



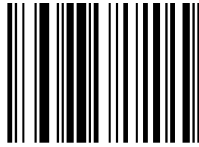
-2%



0%



+2%



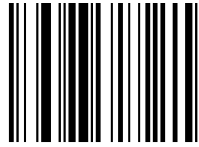
+4%



+6%



+8%

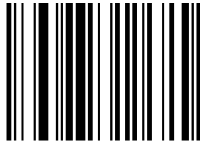


+10%

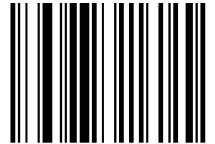
Test Labels (All)



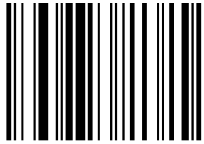
#1



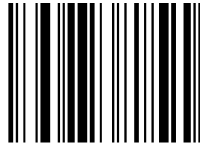
#2



#3

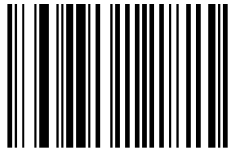


#4

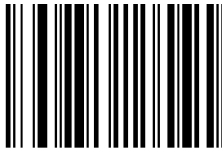


#5

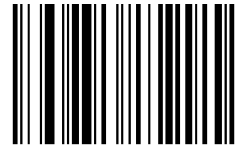
Media Width (F-Series only – 8 dots/mm)



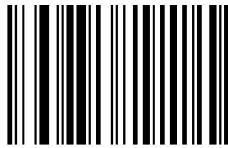
25 mm (0.98 in)



30 mm (1.18 in)



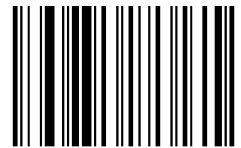
43 mm (1.69 in)



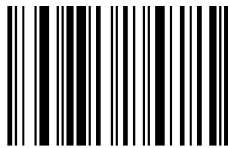
53 mm (2.09 in)



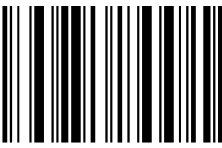
70 mm (2.76 in)



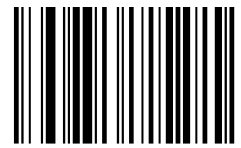
84 mm (3.31 in)



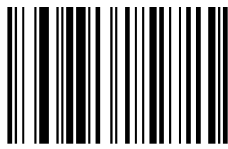
85 mm (3.35 in)



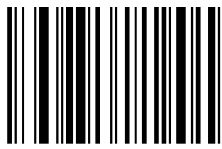
87 mm (3.43 in)



90 mm (3.54 in)

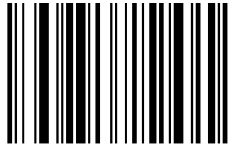


102 mm (4.02 in)

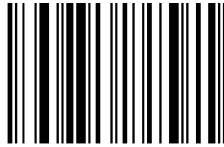


104 mm (4.10 in)

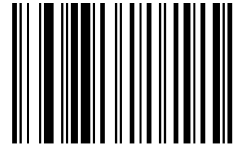
Media Width (XP-Series only – 12 dots/mm)



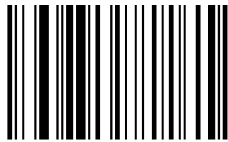
43 mm (1.69 in)



53 mm (2.09 in)



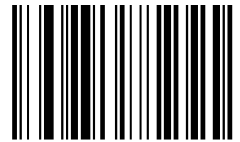
70 mm (2.76 in)



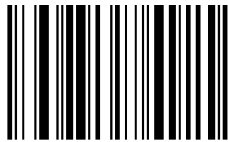
84 mm (3.31 in)



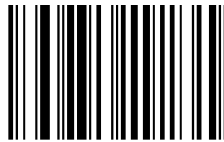
85 mm (3.35 in)



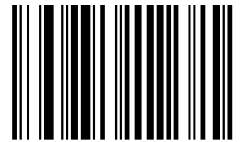
87 mm (3.43 in)



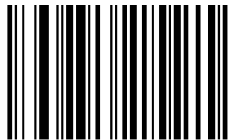
90 mm (3.54 in)



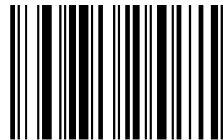
102 mm (4.02 in)



104 mm (4.10 in)

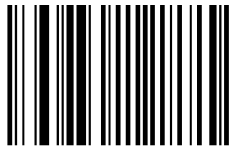


110 mm (4.33 in)



115 mm (4.53 in)

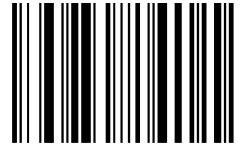
Media Length (F-Series only – 8 dots/mm)



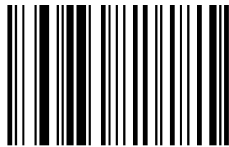
25 mm (0.98 in)



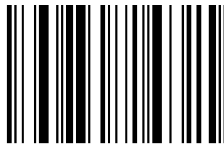
28 mm (1.10 in)



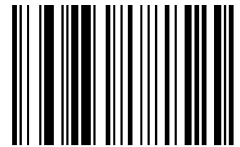
49 mm (1.93 in)



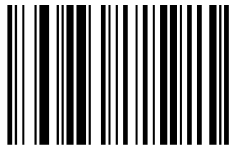
55 mm (2.17 in)



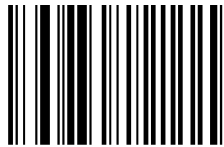
74 mm (2.91 in)



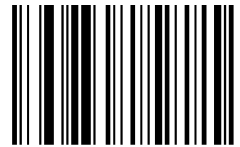
88 mm (3.47 in)



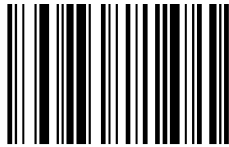
90 mm (3.54 in)



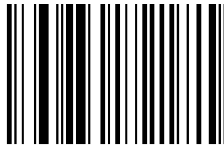
100 mm (3.94 in)



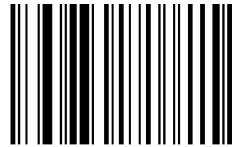
102 mm (4.02 in)



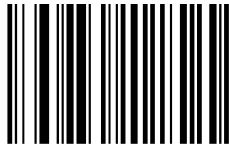
104 mm (4.10 in)



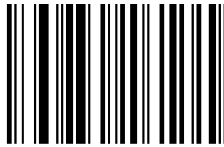
125 mm (4.92 in)



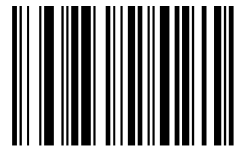
130 mm (5.12 in)



150 mm (5.91 in)

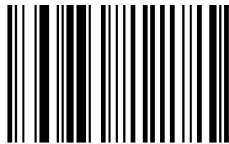


158 mm (6.22 in)

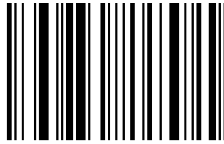


210 mm (8.27 in)

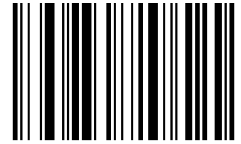
Media Length (XP-Series only – 12 dots/mm)



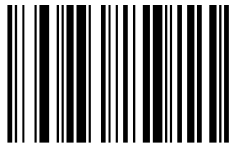
25 mm (0.98 in)



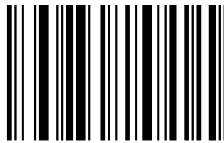
28 mm (1.10 in)



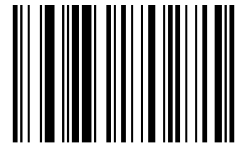
49 mm (1.93 in)



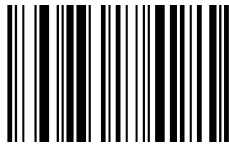
55 mm (2.17 in)



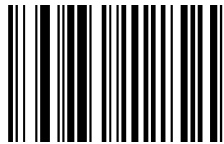
74 mm (2.91 in)



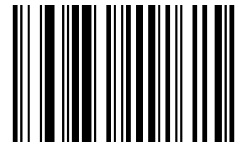
88 mm (3.47 in)



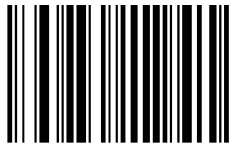
90 mm (3.54 in)



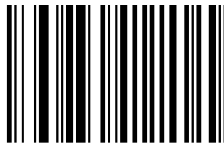
100 mm (3.94 in)



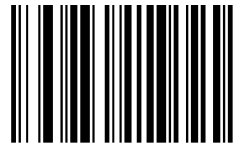
102 mm (4.02 in)



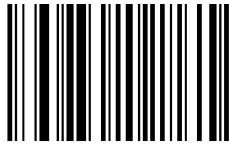
104 mm (4.10 in)



125 mm (4.92 in)



130 mm (5.12 in)



150 mm (5.91 in)

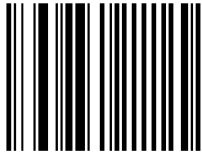


158 mm (6.22 in)

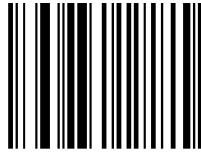


210 mm (8.27 in)

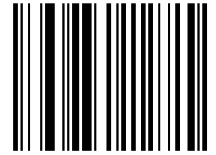
Media Type (All)



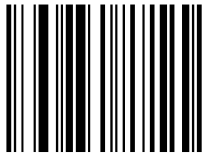
Label (w gaps)



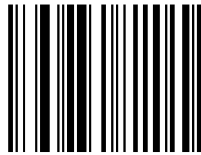
Ticket (w mark)



Ticket (w gaps)

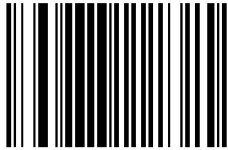


Fix length strip

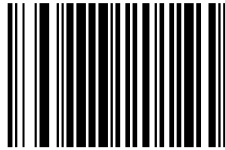


Var Length Strip

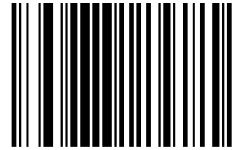
Print Speed (All; >200 mm/sec XP-Series only)



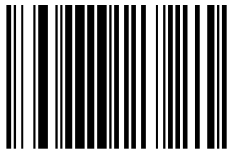
100 mm (3.93 in)
per second



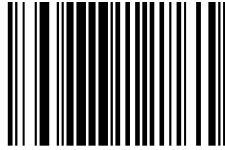
125 mm (4.92 in)
per second



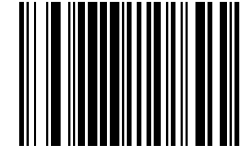
150 mm (5.91 in)
per second



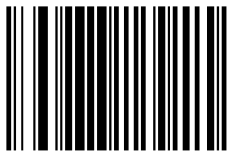
175 mm (6.89 in)
per second



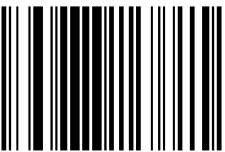
200 mm (7.87 in)
per second



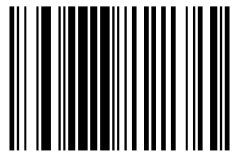
225 mm (8.86 in)
per second



250 mm (9.84 in)
per second



275 mm (10.83 in)
per second

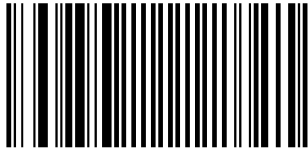


330 mm (11.81 in)
per second

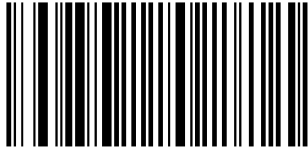
Paper Type (F-Series only)

Based on Fingerprint v7.60

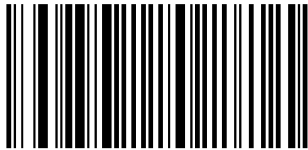
Direct Thermal Printing (Europe)



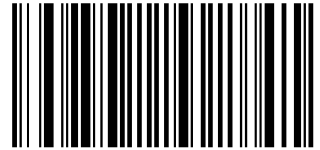
Thermal Top Board



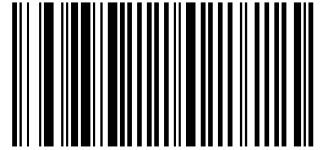
Thermal Eco



Thermal Top High Speed



Thermal Top



Thermal Eco Board

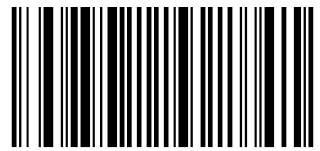
Direct Thermal Printing (USA)



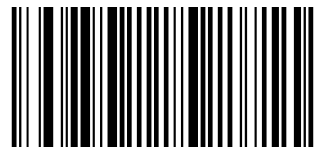
Duratherm II Tag



Duratherm Ltg



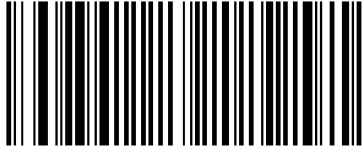
Duratherm II



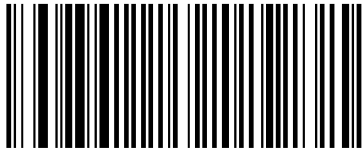
Duratherm IR

Paper Type (F-Series only), cont.

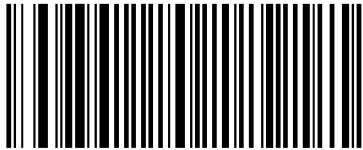
Thermal Transfer Printing (Europe)



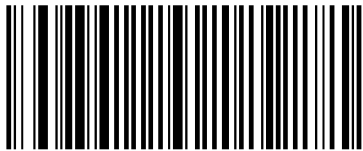
GP02/TTR Uncoated



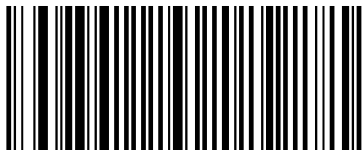
GP02/TTR Premium



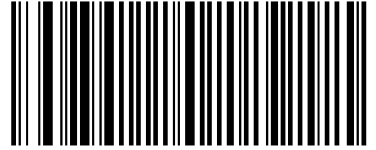
HP66/TTR Premium



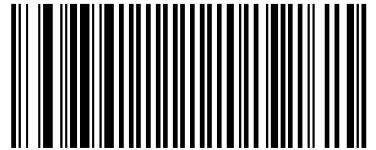
HP66/TTR High Gloss White Premium



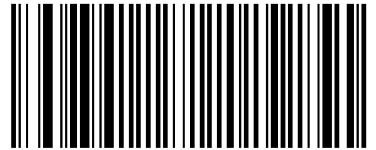
HP66/TTR Gloss Polyethylene



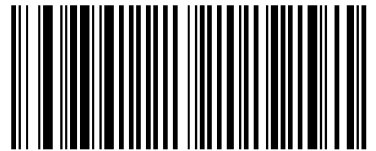
GP02/TTR Matte Coated



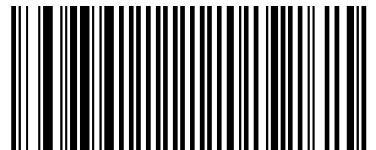
HP66/TTR Matte Coated



HP66/TTR Premium Board



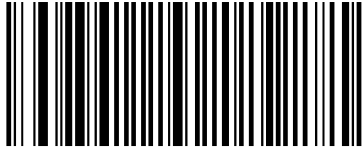
HP66/TTR Polyethylene



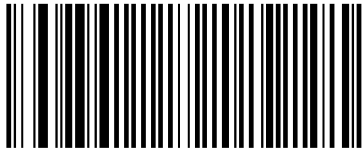
HP07/TTR Matte Coated

Paper Type (F-Series only), cont.

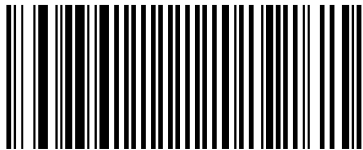
Thermal Transfer Printing (Europe), cont.



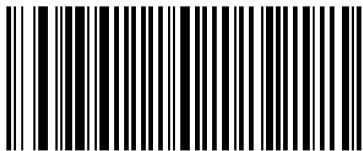
HP07/TTR Premium



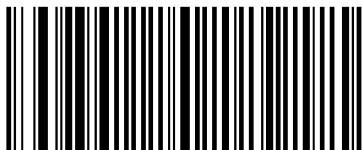
HP07/TTR High Gloss White Premium



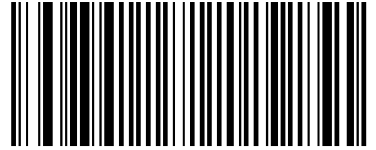
HP07/TTR Gloss Polyethylene



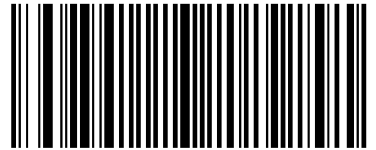
HP05/TTR Premium



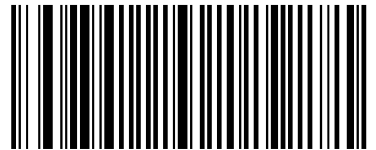
HP05/TTR High Gloss White Premium



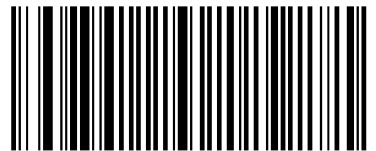
HP07/TTR Premium Board



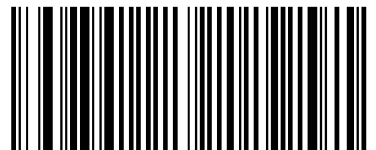
HP07/TTR Polyethylene



HP05/TTR Matte Coated



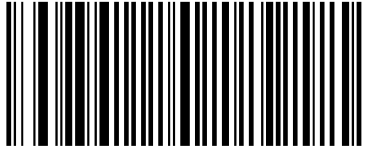
HP05/TTR Premium Board



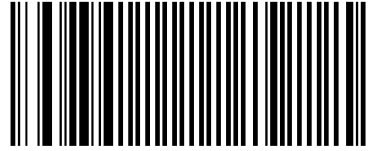
HP05/TTR Polyethylene

Paper Type (F-Series only), cont.

Thermal Transfer Printing (Europe), cont.



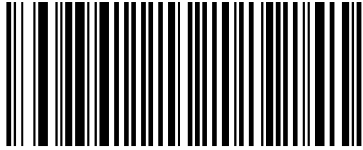
HP05/TTR Gloss Polyethylene



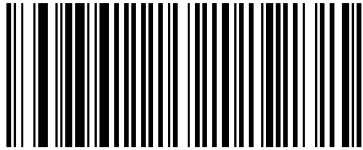
HR03/TTR High Gloss Polyester

Paper Type (F-Series only), cont.

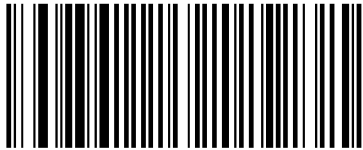
Thermal Transfer Printing (U.S.A.)



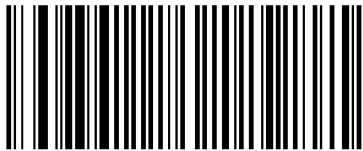
Basewax/Duratran II



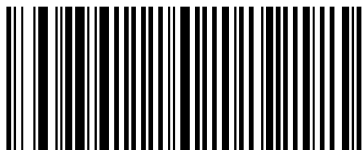
Basewax/Duratran VG



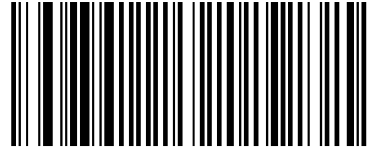
Basewax/Kimdura Tag



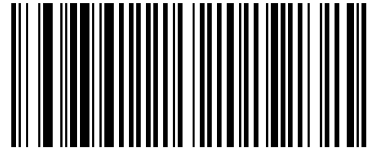
Standard/Duratran II



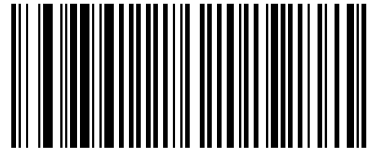
Standard/Kimdura



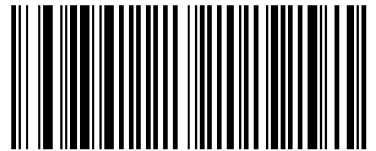
Basewax/Duratran II Tag



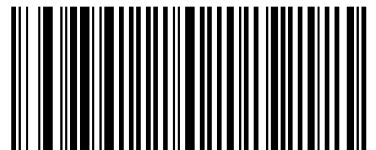
Basewax/Kimdura



Basewax/Syntran



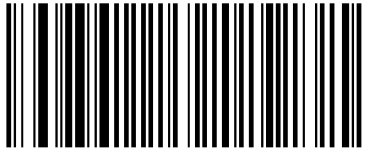
Standard/Duratran II Tag



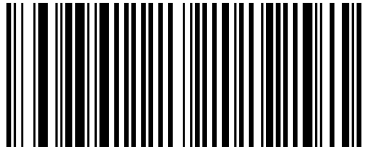
Standard/Kimdura Tag

Paper Type (F-Series only), cont.

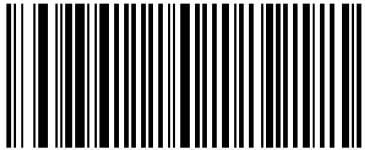
Thermal Transfer Printing (U.S.A.), cont.



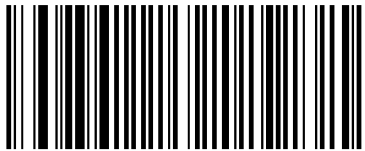
Standard/Syntran



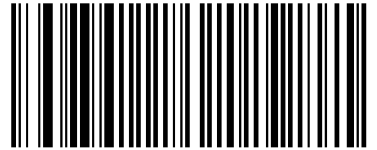
Premium/DuraTran II Tag



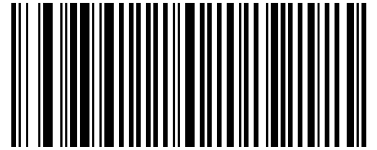
Premium/Kimdura Tag



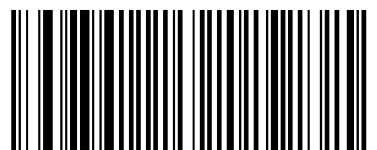
Premium/Syntran



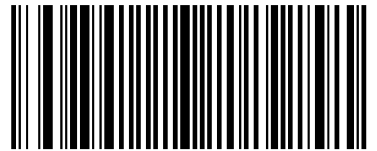
Premium/DuraTran II



Premium/Kimdura



Premium/Matte Polyester

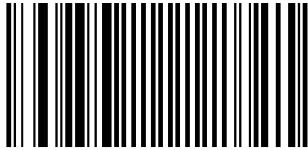


Super Premium/Polyester

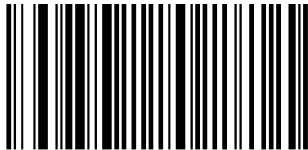
Paper Type (XP-Series only)

Based on Fingerprint v7.40

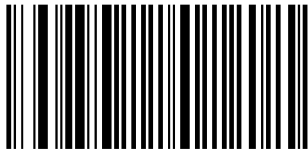
Direct Thermal Printing (Europe)



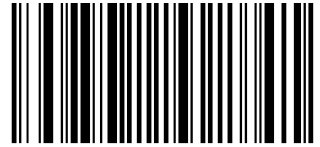
Top Board



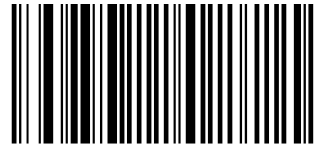
Economy



Premium High Speed

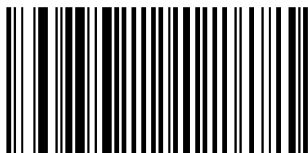


Standard/Premium

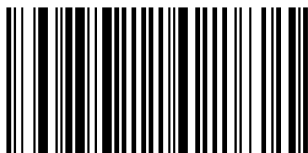


Eco Board

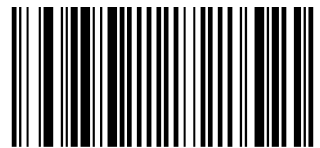
Direct Thermal Printing (USA)



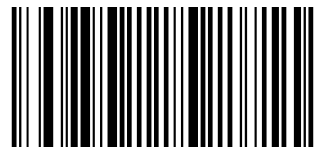
Duratherm II Tag



Duratherm Ltg



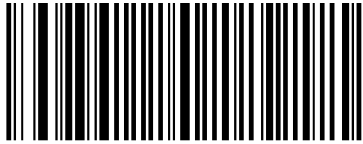
Duratherm II



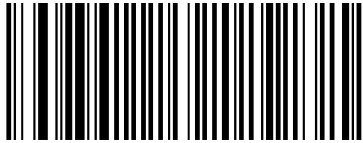
Duratherm IR

Paper Type (XP-Series only), cont.

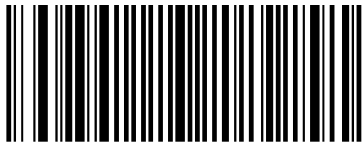
Thermal Transfer Printing (Europe)



GP02/Vellum



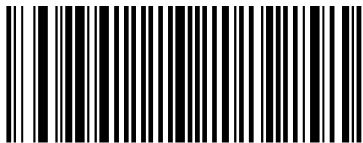
GP02/Transfer Premium



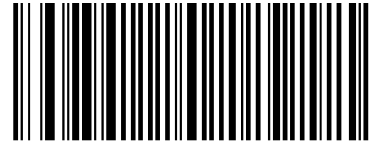
HP07/Transfer Premium



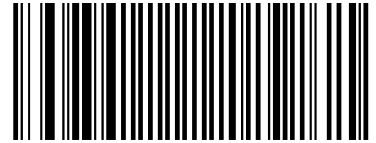
HP07/Premium Tag



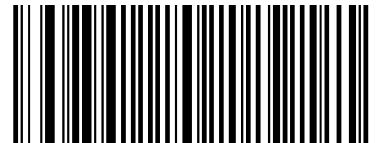
HP66/Transfer Premium



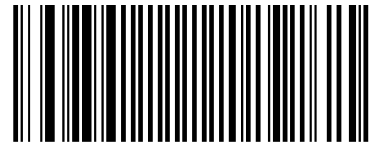
GP02/Matte Coated



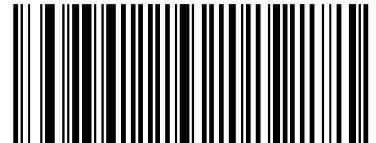
HP07/Matte Coated



HP07/Polyethylene Matt



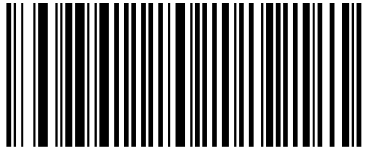
HP66/Matte Coated



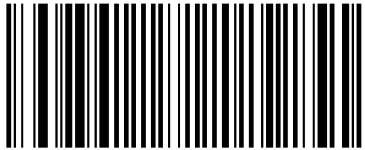
HP66/High Gloss White

Paper Type (XP-Series only), cont.

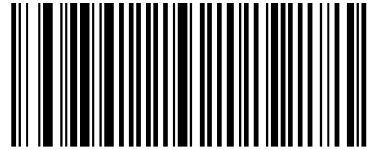
Thermal Transfer Printing (Europe), cont.



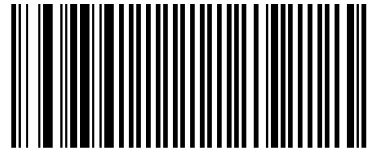
HP66/Polyethylene Matt



HP66/Premium Tag



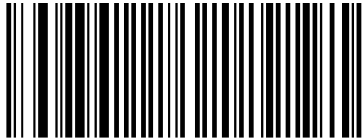
HP66/Polyethylene Gloss



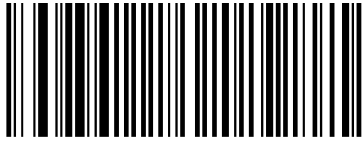
HR03/Polyester Gloss

Paper Type (XP-Series only), cont.

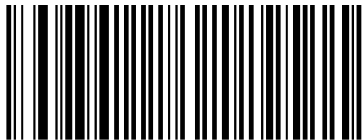
Thermal Transfer Printing (U.S.A.)



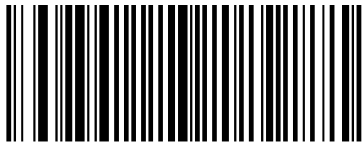
Standard/Duratran I



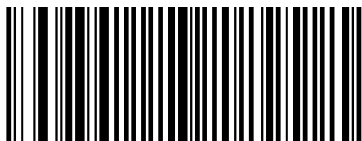
Standard/Duratran II



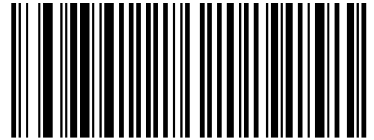
Standard/Kimdura



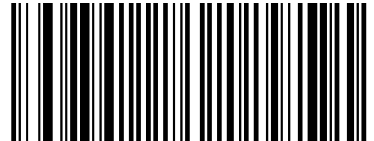
Premium/Duratran II



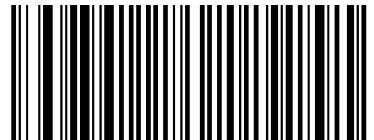
Premium/Kimdura



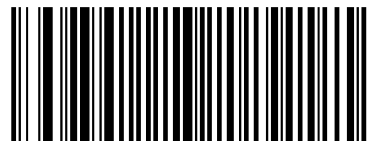
Standard/Duratran VG



Standard/Duratran II Tag



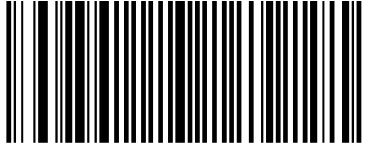
Standard/Kimdura Tag



Premium/Kimdura Tag

Paper Type (XP-Series only), cont.

Thermal Transfer Printing (U.S.A.), cont.



Super Premium/Polyester