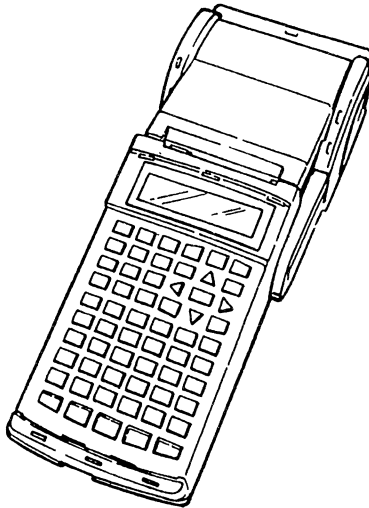




# HandiMark™ Portable Label Maker



For this language	See page
English .....	1
German.....	23
French .....	47
Dutch.....	71
Spanish.....	95

### **FCC Notice—U.S. Only**

Warning: This equipment generates, uses and can radiate radio frequency energy. If not installed and used in accordance with the manufacturer's instructions, it may cause interference to radio communications. It has been tested and found to comply with the limits for a Class A computing device pursuant to Subpart J of Part 15 of the FCC rules, which are designed to provide reasonable protection against interference when operating in a commercial environment. Operation of this equipment in a residential area is likely to cause interference, in which case corrective measures will be at the owner's expense.

This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

### **Europe**

This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

### **Canada**

This Class A digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

### **Brady Warranty**

Our products are sold with the understanding that the buyer will test them in actual use and determine for him or herself their adaptability to his/her intended uses. Brady warrants to the buyer that its products are free from defects in material and workmanship, but limits its obligations under this warranty to replacement of the product shown to Brady's satisfaction to have been defective at the time Brady sold it. This warranty does not extend to any persons obtaining the product from the buyer.

**THIS WARRANTY IS IN LIEU OF ANY OTHER WARRANTY, EXPRESS OR IMPLIED INCLUDING, BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, AND OF ANY OTHER OBLIGATIONS OR LIABILITY ON BRADY'S PART. UNDER NO CIRCUMSTANCES WILL BRADY BE LIABLE FOR ANY LOSS, DAMAGE, EXPENSE OR CONSEQUENTIAL DAMAGES OF ANY KIND ARISING IN CONNECTION WITH THE USE, OR INABILITY TO USE, BRADY'S PRODUCTS.**

© 1998 Brady Worldwide, Inc. All Rights Reserved

## Table of Contents

---

<b>Introduction</b> .....	3	<b>Printing Your Labels (continued)</b>	
<b>Quick Label Making Instructions</b> .....	3	Adjusting Print Density .....	11
<b>Setting Up</b> .....	4	Printing from a PC .....	11
Using the Battery Pack and Charger .....	4	<b>Saving Labels in Files</b> .....	12
Disposal of the Battery Pack .....	4	<b>Advanced Features</b> .....	12
Installing a Print Ribbon Cartridge .....	5	Checking System Status .....	12
Installing a Tape Roll .....	5	Changing the Setup File .....	13
<b>Typing and Editing Text</b> .....	6	Creating Serialized Labels .....	14
Typing Text Characters .....	6	<b>Creating Bar Codes</b> .....	15
Reading the LCD and Moving the Cursor ..	6	Entering a Bar Code .....	15
Editing Your Text .....	6	Allowable Bar Code Characters .....	15
Creating Multiple Labels .....	7	Setting Bar Code Attributes .....	16
<b>System Messages</b> .....	7	<b>Using the Pipe Marker Application</b> .....	17
<b>Accessing Menus</b> .....	7	Accessing Pipe Marker .....	17
<b>Formatting Your Labels</b> .....	8	Creating Standard Pipe Markers .....	18
LCD Format Markers .....	8	Creating Rollform Pipe Markers .....	18
Setting the Type Size .....	8	Creating Symbols Tape Pipe Markers ..	19
Formatting Printed Characters .....	9	Saving Pipe Markers in Files .....	19
Using Pictorial Symbols .....	9	<b>Maintenance</b> .....	20
Specifying Label Format .....	10	Cleaning the Drive Roller and Cutter ..	20
Clearing Labels .....	10	Cleaning the Print Head .....	20
<b>Printing Your Labels</b> .....	10	Replacing the System Power Cell .....	20
Cutting off the Printed Label .....	10	<b>Specifications</b> .....	20
Pausing Between Print Jobs .....	11	<b>International Power Cords</b> .....	21
Printing Multiple Copies .....	11		

---

## Introduction

Thank you for buying this HandiMark™ Portable Label Maker. We are sure you will find it an extremely versatile and durable tool, useful for a great number of sign and label-making needs.

## Quick Label Making Instructions

The following steps are all you need to create a simple label. Read the rest of this manual for detailed information on each of these steps, as well as other functions not listed here.

Follow these steps:

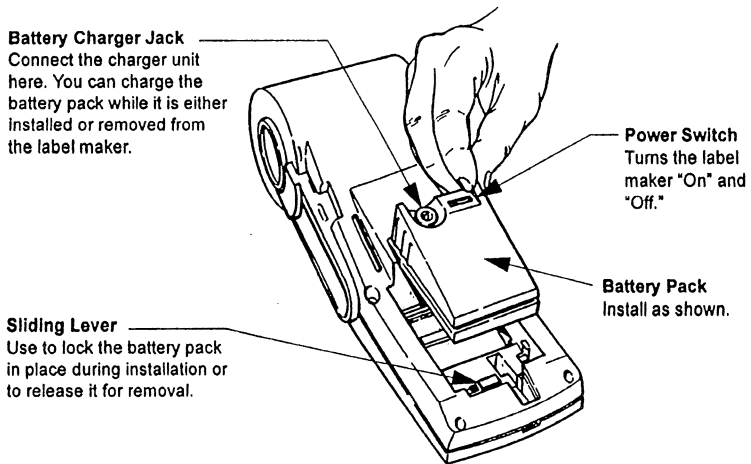
1. Install a fully charged battery pack.
2. Install a print ribbon cartridge.
3. Install a tape roll of the desired type and size.
4. Turn the power switch "On."
5. Type the text for your label. Press the <Enter> key to begin each new line of text.
6. Edit the text so it reads exactly as you want it to.
7. Press the <Print/Stop> key to print the label.
8. Use the built-in cutter to remove the finished label.

## Setting Up

Read the following sets of instructions to learn how to connect the battery pack/charger, install a print ribbon cartridge, and install a roll of tape.

### Using the Battery Pack and Charger

The HandiMark™ Portable Label Maker is shipped with a sealed battery pack and a battery charger unit. Use these items to power the label maker as shown below:



**NOTES:** The battery pack is shipped in an uncharged condition. Charge the battery for a minimum of 4 to 5 hours before operating the label maker solely on battery power.

You can charge the battery pack while the label maker is turned "On" or "Off." The battery pack will be charging as long as the charger is plugged in.

Brady recommends, however, that once the battery pack is fully charged, you should unplug the charger and operate the label maker solely on battery power.

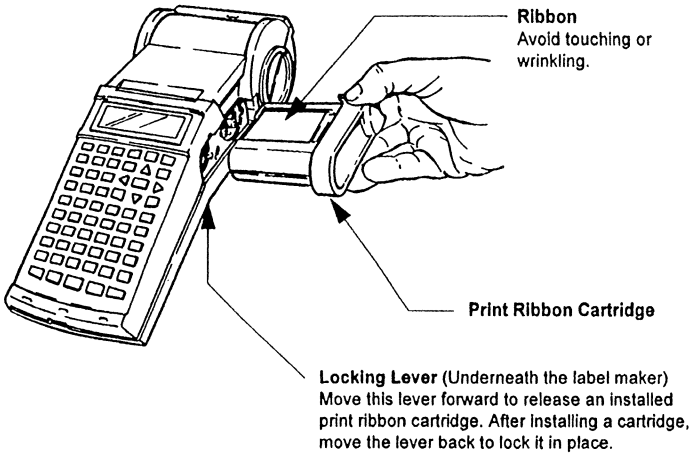
If the battery pack is completely discharged, connecting the charger does not provide enough power to run the label maker. Recharge the battery pack before continued use.

### Disposal of the Battery Pack

The NiCad battery pack contains cadmium, a toxic element. The battery pack is considered hazardous toxic waste, and must not be thrown away in the home or office garbage. Once the useful life of the battery is ended (1-3 years), contact your local authorities for information regarding its proper disposal or recycling options.

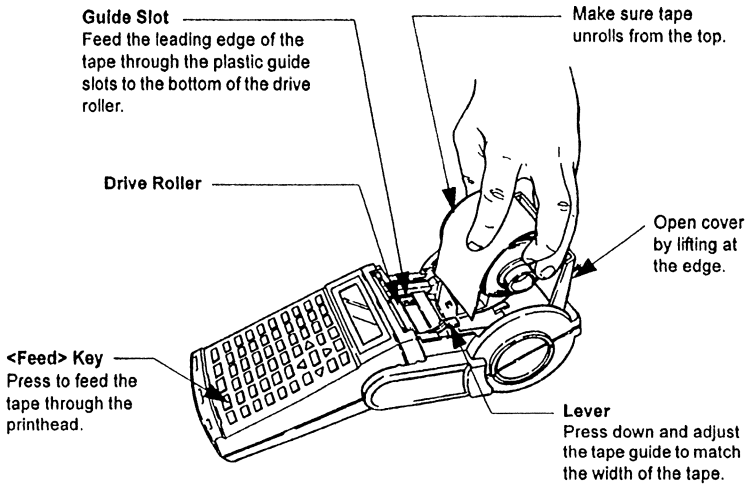
### Installing a Print Ribbon Cartridge

Install a print ribbon cartridge as shown below:



### Installing a Tape Roll

Use the following instructions to install a tape roll into your label maker:



## Typing and Editing Text

This section describes how to use the keypad to type and edit text for your labels.

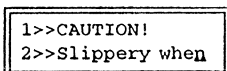
### Typing Text Characters

- **Alphabetic letters:** Type lower-case letters (a-z) by pressing the appropriate keys. Press the <Space> key to add a space between words. Type an upper-case letter by holding down the <Shift> key while typing the letter. To type many upper-case letters in a row, turn the Caps Lock feature on by pressing the <2nd> + <Caps Lock> keys. The message "Caps lock on" or "Caps lock off" appears briefly.
- **Numbers:** Type numbers (0-9) by pressing the desired keys.
- **Secondary characters:** A yellow secondary character appears on the upper-right of each text key. Type one by first pressing the <2nd> key (the message "2nd..." appears). Then press the desired secondary character key.
- **Accented Characters:** To place an accent mark over a letter, type the mark first followed by the letter itself.

### Reading the LCD and Moving the Cursor

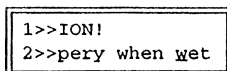
As you type characters, they appear on the liquid crystal display (LCD) at the cursor's position. Depending on the character size and installed tape width, you can have up to five lines on a single label. The label's line numbers are indicated on the left edge of the LCD. The cursor marks your current typing or editing position.

The LCD can display two lines of text with 16 characters on each line. This means that for labels with more text, you will not be able to see the entire label until it is printed. Use the arrow keys to move the cursor around the LCD. As the cursor moves off the LCD, the display changes to reveal different parts of the label:



```
1>>CAUTION!  
2>>Slippery when
```

The underlined "n" indicates the cursor's position on the LCD.



```
1>>ION!  
2>>pery when wet
```

If you move the cursor off to the right, a different part of the text is revealed.

### Editing Your Text

After you have typed a label, you may wish to rewrite part of the text. You may also need to remove or add some text:

- Use the <Delete> key to remove text characters.
- Press the <2nd> + <Insert> keys to toggle between insert and overwrite modes of typing. In insert mode, new text pushes existing characters at the cursor position to the right. In overwrite mode, characters at the cursor position will be replaced by the new text.

### **Creating Multiple Labels**

The text entry area can hold many labels at once. After typing out one label, use the arrow keys to move the cursor to the very end (the last character on the last line). Then press the <Label-> key to begin a new label.

**NOTE:** Keep in mind that when you press the <Print/Stop> key, all labels in the text entry area will be printed. If you prefer to print labels separately, store them in separate files. See "Saving Labels in Files" on page 12.

When the text entry area contains multiple labels, you can move from one label to another as shown below:

Use These Keys:	To Get This Result:	Use These Keys:	To Get This Result:
<Shift> + Up Arrow	Go to the previous label	<2nd> + Up Arrow	Go to the first label
<Shift> + Down Arrow	Go to the next label	<2nd> + Down Arrow	Go to the last label

**NOTE:** The <Shift> key works a little differently than the <2nd> key: Hold the <Shift> key down while pressing an arrow key. Press and release the <2nd> key before pressing the appropriate arrow key.

### **System Messages**

A variety of messages may appear on the LCD from time to time. In general, you can acknowledge a system message by pressing <Enter> or <Escape> and then performing the suggested action when required.

### **Accessing Menus**

You can access any of the type functions by pressing a function key and then making the desired selection from the menu which appears.

Follow these steps:

1. Press the appropriate function key (or <2nd> + the function key).  
The corresponding menu appears on the LCD.
2. Use the up and down arrow keys to move through a menu's list of options (where more than one exists). The cursor indicates the currently selected option.
3. Use the left and right arrow keys to specify the desired setting for the selected option. (Or type in a value as prompted by some menus.)
4. Repeat steps 2 and 3 if you want to change more settings on that menu.
5. Press the <Enter> key to activate your change(s).

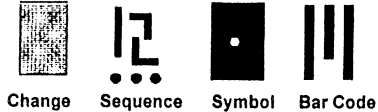
**NOTE:** Press the <Escape> key to exit a menu without making any changes.

## Formatting Your Labels

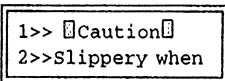
Formatting options include changing the appearance of typed characters, typing specialty characters, and defining the layout of a label.

### LCD Format Markers

The HandiMark™ Portable Label Maker uses specific markers to indicate which characters have special formatting applied. These markers (shown to the right) only appear on the LCD; they do not print out:



Format markers often work in pairs. For example, if you made the word "Caution" bold on the following label, the LCD would look like this:



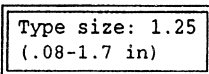
The first marker turns the bolding on. The second marker turns it back off. (Without the second marker, the entire label would be bold-faced.) Markers appear for all type size and type option changes.

Each formatting change you make takes up some internal memory. You may have as many as 11 format changes in the text entry area. If the message "Too many type styles" appears, you must delete some of the formatting or move some labels into separate files.

To delete format markers (and their formatting effects) use the arrow keys to place the cursor over a mark and press the <Delete> key.

### Setting the Type Size

Press the <Size> key to set the type size of typed characters. The following menu appears:



Enter the desired type size and press the <Enter> key. A prompt asks whether you want the size change to begin at the cursor location or at the start of the text entry area. The new text size will be used until you change it again.

**NOTE:** Type size can be shown in inches (in), points (pt), or millimeters (mm). See "Changing the Setup File" on page 13 to change the units of measure.

The following tables specify the maximum character and symbol size that can fit on different tape widths, and the maximum type size at which the label maker will print both capital and lower-case letters.

Tape Width	Maximum type size for characters and symbols		
	Inches	Points	Millimeters
2"	1.7	178	43
1"	.88	92	22
.5"	.43	45	10

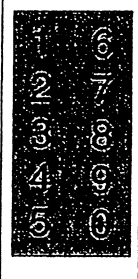
Tape Width	Maximum type size for typing upper and lower case		
	Inches	Points	Millimeters
2"	1.2	125	31
1"	.66	66	17
.5"	.32	32	8



### Formatting Printed Characters

Press the <Type> key to view or change the following type options:

<b>Bold:</b>	Off	Valid options are "On" and "Off."
<b>Underline:</b>	Off	Valid options are "On" and "Off."
<b>Exp/Cond:</b>	100%	The range of accepted values is from 50% to 200% (in 10% increments). Values greater than 100% are expanded (each character is wider than normal). Values less than 100% are condensed (characters are narrower).
<b>Italics:</b>	Off	Valid options are "On" and "Off."
<b>Vertical:</b>	Off	Valid options are "On" and "Off." Vertical text is printed as shown below.
<b>Pos:</b>	Normal	Valid options are "Normal" "Superscript" and "Subscript."

	<p><b>Vertical text:</b> To create the label on the left, you would type two lines of text as shown below. Line one contains the text appearing in the label's right column, and line two contains the text in the label's left column.</p>
---	---

1>>67890  
2>>12345

### Using Pictorial Symbols

Press <Symbol> to include a pictorial symbol in your label. The following menu appears:

<b>List:</b>	LISTA
<b>Symbol #:</b>	32

First use the left and right arrow keys to specify the list containing the symbol you want to use. Then use the down arrow key to move to the Symbol # line. Finally, type the desired symbol's number and press the <Enter> key.

Use the "Type Size" menu to print symbols at a larger size than other characters on your labels. Italics, bold, and expand/condense settings are ignored for symbols. Symbols can be underlined and can be printed in a vertical format.

**NOTE:** See separate documentation listing all symbols available for use.

### Specifying Label Format

Press the <2nd> + <Format> keys to view or change the following settings:

Length: 0	Specify a set length for a label (e.g., when you want a label to be 6.25 inches long). Enter 0 if you don't want to specify any length. Maximum is 300 inches (7800 mm). See "Changing the Setup File" on page 13 to set the units of measure.
Frame: Off	Allows you to print a rectangular border around a label. Valid options are "Off" "Thin" "Medium" and "Wide."
Justify: Center	Specifies how text is lined up on your labels. Valid options are "Center" "Left" and "Right."
Mirror: Off	Used to print labels whose text is reversed (readable in a mirror.) Valid options are "On" and "Off."

### Clearing Labels

You will often need to clear a label or a group of labels from the text entry area. Press the <Clear> key to obtain the following menu:

Clear all	Press <Enter> to erase all labels from the text entry area.
Use defaults	Press <Enter> to erase all labels from the text entry area and reset all settings to what they are in the setup file.
Clear current	Deletes only the currently displayed label. After pressing <Enter> the next label in the entry area (if any) appears.

**NOTE:** Cleared labels can not be restored unless saved in a file. When you press <Enter> an "Are you sure?" prompt appears. Respond "No" if you don't want to lose the label(s).

### Printing Your Labels

To print the contents of the text entry area, just press the <Print/Stop> key. Press this key a second time if you want to stop the print job before printing is completed.

Remember, all labels in the text entry area print as one print job. A 1/8 in. (3 mm) leader and trailer is automatically added at the start and end of each print job (and between labels if the label maker is set to pause between labels). When the pause option is turned off, labels print continuously with tick marks indicating where each label begins and ends.

**NOTE:** Press the <Feed> key if you want to advance the tape without printing.

### Cutting off the Printed Label

When a label has printed out, use the built-in cutter to remove it. The cutter mechanism consists of a fixed blade and a moving blade. Use the external lever to cut the tape.

### **Pausing Between Print Jobs**

When you are printing a number of labels in one job, it is often convenient to pause after printing each label. This allows you to cut each label as it is printed.

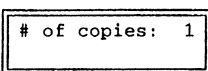
After each pause, press <Enter> to print the next label or <Escape> to quit printing.

See "Changing the Setup File" on page 13 to set this option.

### **Printing Multiple Copies**

Use the <Repeat> key to specify the number of copies to be printed of each label in the text entry area. If there are several labels in the text entry area, you can specify a number from 0 to 99 for each label individually.

First, display the desired label in the LCD. (See "Creating Multiple Labels" on page 7.) Then press the <Repeat> key. The following menu appears:

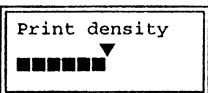


Enter the number of copies you want to print, then press the <Enter> key. The number of copies you specify affects only the label currently appearing in the LCD. Repeat for each label in the text entry area. When finished, press the <Print/Stop> key to print the labels.

**NOTE:** One copy of each label for which you do not specify a number of copies will be printed. Each new label created resets the repeat value to 1. If you save the text entry area into a file, the multiple copy values will be saved too.

### **Adjusting Print Density**

Press the <2nd> + <Density> keys to call up the following screen. The setting shown below is the normal density setting.



Press the right arrow key to move the bar to the right (increasing the print density) or the left arrow key to move the bar to the left (decreasing the print density). Press <Enter>.

**NOTE:** When power is turned "Off," the current setting is used the next time it is turned "On." However, the print density resets to the normal value whenever a new ribbon or tape is installed.

### **Printing from a PC**

You can connect your HandiMark™ Portable Label Maker to a computer and print from any Windows application. To do this, put the label maker on-line to the PC using the <2nd> + <On line> keys.

See separate documentation for information on using this feature.

## Saving Labels in Files

Press the <2nd> + <File> keys to save labels into memory. Once files have been saved, use this menu to retrieve and delete those files, and to print a list of saved files:

Save: .OS	Saves the contents of the text entry area into a uniquely named file. Enter an alphanumeric name up to 5 characters long. .OS is always used for the two-character extension.
Get: STEAM.OS	Allows you to open an existing file. You can either type in a file name or use the left and right arrow keys to scroll through a list of saved files.
Del: WATER.OS	Use this option to delete a saved file from memory. You can type in a file name or use the left and right arrow keys to scroll through a list of saved files. When you press <Enter> to delete a file, an "Are you sure?" prompt asks for confirmation.
Print file list	Use this option to print a list of all saved files. The text entry area must be empty to do this.

## Advanced Features

Selecting these features brings up menus that allow you to check system status, check and change the setup file, and create serialized labels.

### Checking System Status

Press the <Status> key to display the current status of your label maker. The following menu appears:

Label: 2 of 5	Indicates the number of the currently displayed label, as well as how many labels are in the text entry area.
Length: 13.75	Indicates how long the current label is (either the length specified in the Length option, or the actual length based on the text entered). See "Specifying Label Format" on page 10.
OS version 1.0	Displays the operating system version number.

**NOTE:** The above menu is for display only. Press <Enter> or <Escape> after viewing the information.

### Changing the Setup File

Press the <2nd> + <Setup> keys to access the setup function. The text entry area must be empty to access this menu:

Caps lock: Off	If you want to type mostly capital letters, it may be easier to set this option to "On" (instead of using <Shift> or the Caps Lock key). Valid options are "On" and "Off."
Auto fit: Off	Auto fit condenses your text up to 50% to fit it on the specified length. (Auto fit only works when a label length is entered.) Valid options are "On" and "Off." A message "Text too big or too many lines" appears if condensing the text by 50% will not allow the text to fit on the label.
Pause print: Off	When set to "On" the printer pauses between labels when printing multiple labels. This allows you to use the cutter to remove each label as it is printed.
Type size: .25	Use this option to set the default type size. Type in the size you want, and press <Enter>. See the next menu item to specify the units in which type size is displayed.
Type units: in	Specifies whether type size is displayed in inches (in), points (pts), or millimeters (mm).
Length units: in	Specifies whether label length is displayed in inches (in) or millimeters (mm).
Mode: Insert	Specifies whether new text is inserted into a label's existing text (insert mode), or replaces old text as it is entered (overtyping mode).
Baud rate: 19200	Specifies the baud rate for accepting print data from a PC. Used only when the label maker is connected to a PC via a serial cable. See separate documentation for instructions.
Language: Eng	Specifies which language the operating system displays. Select one of the following choices: Eng (English), Frc (French), Esp (Spanish), Ndr (Dutch), or Deu (German).
Upgrade	Used to upgrade the operating system. You will connect the label maker to a PC and download the new operating system. See separate documentation for instructions.

### Creating Serialized Labels

Use this feature to create serialized labels—labels which print out one after the other, with some text value increasing or decreasing. For example, a series of labels can be made with incrementing serial numbers. Serialized text can be either numerical or alphabetical.

Start by placing the cursor where you want the serialized text to appear, then press the <2nd> + <Serial> keys. The following menu appears:

Start seq: 00001	Enter the starting number or letter group at which the sequenced labels will start printing. You can not mix numbers with letters in this field.
Change by: 00005	Enter a number from 1 to 99999 to specify the amount by which each successive label's serialized field will change.
End seq: 00100	Enter the ending number or letter group at which the last label in the series will print. The type of entry here must match the type entered in the Start seq. field.
# of labels: 020	Specify how many labels will be printed in sequence. If you enter values in the Start seq. and in the End seq. fields, this value will be generated automatically.

**NOTE:** If the End seq. entry is larger than the Start seq. entry, the labels will print incrementally. If the End seq. entry is smaller than the Start seq. entry, the labels will decrement. (You must provide the "End seq." value for a decrementing sequence.)

## Creating Bar Codes

You can use Code 39 symbology to enter and print bar codes on signs and labels created with your HandiMark™ Portable Label Maker.

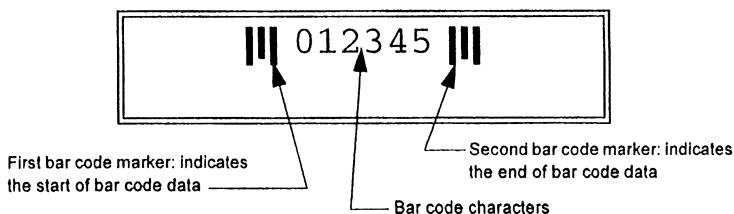
Bar codes can appear above, below, or on either side of text. All type options (bolding, italics, underlining, expanded/condensed type, vertical text, and position) are ignored for bar codes.

### Entering a Bar Code

Follow these steps to enter a bar code onto a label:

1. Position the cursor where you want the bar code to appear.
2. Press the <2nd> + <Bar Code> keys.  
The first bar code marker appears on the LCD.
3. Enter the characters of the bar code.  
The bar code characters appear alphanumerically on the LCD.
4. Press the <2nd> + <Bar Code> keys again.  
A second bar code marker appears on the LCD, marking the end of the bar code.

The finished bar code looks something like this on the LCD:



### Allowable Bar Code Characters

The following character sets can be used in Code 39 symbology bar codes:

- numerals (0—9)
- uppercase letters (A—Z)
- special characters (. / + - \$)
- blank spaces

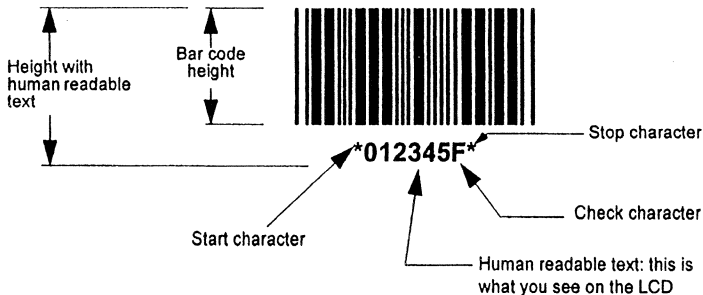
If you try to create a bar code on a line of text containing an invalid character, an “**Illegal char in bar code**” message appears on the LCD. Press any key to clear the message and return to the text entry area. Delete the invalid character before adding the bar code to the label.

Each bar code can contain a maximum of 50 characters. If an “**Invalid number of bar chars**” message appears, press any key to return to the text entry area.

### Setting Bar Code Attributes

Accessing the bar code menu allows you to change the way your printed bar codes look.

**NOTE:** The attributes set in this menu are used for all bar codes in the text entry area. If you want two bar codes to use different settings, they must be created in separate files.



Press the <2nd> key, then the <Shift> + <Bar Code> keys to view or change the following bar code attributes:

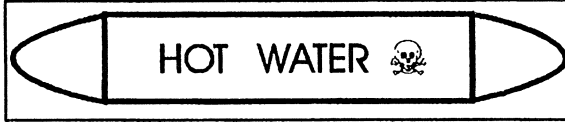
Height: 1.00	Specifies the height of the bar code symbol (not including the human readable text). Units of measure are those specified in the setup file. Available settings are from 0.1 in. (2 mm) to 1.7 in. (43 mm).
Density: 20mil	Specifies the width of the bar code's narrow elements in mils. Available settings are "10" "20" "40" "50" "60" "80" and "100."
HR text: Below	Specifies whether the human readable (HR) text will print with the bar code. Available settings are "Below" and "None."
Start/Stop: Off	Specifies whether start and stop characters will print in the human readable text. Available settings are "On" and "Off." To print start and stop characters, <b>HR text</b> must be set to "Below."
Check char: Off	Specifies whether the check character will print in the human readable text. Available settings are "On" and "Off." To print check characters, <b>HR text</b> must be set to "Below."



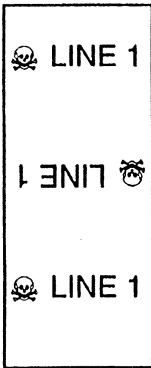
## Using the Pipe Marker Application

The Pipe Marker application is a separate application provided in the HandiMark™ Portable Label Maker's software. Use this application instead of the usual label-making function whenever you want to design and print standard, rollform, or symbols tape pipe markers.

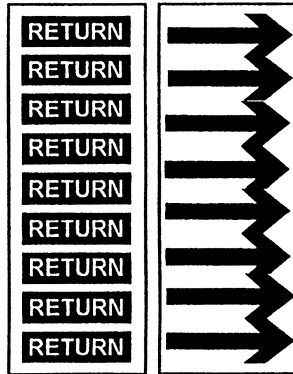
See the sample pipe markers printed below:



Standard pipe marker with optional arrow frame.



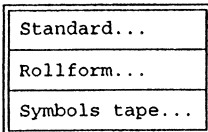
Rollform pipe marker with text and symbol.



A pair of symbols tape pipe markers.

### Accessing Pipe Marker

Press the <App> key to access the Pipe Marker application. The text entry area must be empty, otherwise a "Clear text to use function" message appears. The version number appears for a few seconds, then the initial Pipe Marker menu is displayed:



Use the up and down arrow keys to choose which of the three pipe marker styles you wish to use, then press the <Enter> key.

See the appropriate section below to continue creating the style of pipe marker you've chosen.

**NOTE:** Pressing <Esc> exits the Pipe Marker application.

### **Creating Standard Pipe Markers**

"Standard" style pipe markers are usually placed lengthwise along a section of pipe. Each pipe marker can include one line of text and symbols, and can be surrounded by an arrow frame.

Follow these steps:

1. Select the Standard option from the initial Pipe Marker menu.
2. A menu is displayed for selecting the marker size. Use the left and right arrow keys to scroll through the available sizes. When the desired size appears, press <Enter>.
3. The application checks whether the installed tape is suitable for the specified size:
  - If the tape is too narrow, a message tells you to install a wider tape.
  - If the tape is wider than needed, a message asks if you want to print on wider supply.
4. The next menu asks whether to include an arrow frame around the legend. Use the left and right arrow keys to specify Yes or No.
5. Next, enter the legend (text and symbols) to be printed on the pipe marker:
  - Only one line of text is permitted. All text will be printed in capital letters.
  - You can use any of the symbols available to the HandiMark™ Portable Label Maker. See "Using Pictorial Symbols" on page 9.
  - Symbols are printed in the same type size as the text and will not be condensed.
  - Pressing <Escape> returns to the Arrow option. Any text you entered will be lost.
6. Press the <Print/Stop> key. See "Printing Your Labels" on page 10.
  - Use the <Repeat> key to print more than one copy of the pipe marker(s).

#### **A Note About Standard Pipe Marker Sizes and Text Condensing**

When you select a size with a specific length (e.g., 1 x 8 inch) your text is automatically condensed as needed to fit on the marker. If condensing the text by 50% won't allow it to fit on the specified length, a warning message appears. Condensing does **not** occur if you select one of the pipe marker sizes having an "undefined" length.

### **Creating Rollform Pipe Markers**

"Rollform" style pipe markers are intended to be wrapped around the circumference of a pipe. Each pipe marker can include one line of text and symbols. The legend is printed alternating right-side-up and up-side-down as many times as needed, based on the pipe diameter.

Follow these steps:

1. Select the Rollform option from the initial Pipe Marker menu.
2. The application checks whether a 2 in. (50.8 mm) tape supply is installed, as required by the Rollform option. If not, you are prompted to install a 2 in. (50.8 mm) tape.
3. Next, you are asked to specify the diameter of the pipe for which the pipe marker is intended. Enter the diameter, then press <Enter>:
  - The unit of measure (in. or mm) is specified in the setup file. (See page 13.)
  - After you press <Enter> the application calculates the tape length needed to wrap around the circumference of the pipe, adding 15% as overlap.

4. Next, you are asked to enter the text and symbols to be printed on the pipe marker. Do this just as you would for "Standard" pipe markers.
5. Press the <Print/Stop> key to print the pipe marker(s).

### **Creating Symbols Tape Pipe Markers**

A "Symbols tape" style pipe marker consists of a single symbol printed repeatedly across the width of the tape. It is designed to be wrapped around the circumference of a pipe.

Follow these steps:

1. Select the Symbols tape option from the initial Pipe Marker menu. The Symbol size menu appears.
2. Use the left and right arrow keys to choose from a list of available symbol sizes, then press <Enter>:
  - The unit of measure is specified in the setup file. (See page 13.)
  - If the installed tape is too narrow for the specified label size, a message tells you to install a wider tape.
  - If the installed tape is wider than necessary, a message asks you if you want to print on wider supply.
3. Enter the diameter of the pipe for which the pipe marker is intended, then press <Enter>. The application calculates the tape length needed to wrap around the circumference of the pipe, adding 15% as overlap.
4. Next, you are prompted to select the symbol to be printed on the pipe marker:
  - Select a symbol just as you would in the standard HandiMark™ operating system. (See "Using Pictorial Symbols" on page 9.)
  - While the Symbol menu is displayed, press <Shift> + Up Arrow or <Shift> + Down Arrow to move to the previous or next symbol defined in the text entry area. If additional symbols have not been defined, the system beeps.
5. Next, you are asked to enter the number of copies to be printed. Enter a number from 1 to 99, then press <Enter>.
6. Finally, you are asked if you want to create another pipe marker or print the one(s) you've just created:
  - Press <Label→> to display the Symbols menu and start a new marker.
  - Press <Print/Stop> to begin printing all labels in the text entry area.

### **Saving Pipe Markers in Files**

You can save "Standard" and "Rollform" pipe markers in the label maker's memory, retrieve saved files, and print a list of all saved files. Perform these functions just as for other labels. The two-character file extension used for Pipe Marker application files is .PM (see "Saving Labels in Files" on page 12).

**NOTE:** "Symbols tape" style pipe markers can not be saved.

After saving a file that was created by the Pipe Marker application, you can open it and start Pipe Marker by using the "Get File" function of the label maker.

## Maintenance

Keep the HandiMark™ Portable Label Maker in good operating condition by performing the following recommended maintenance procedures.

### ***Cleaning the Drive Roller and Cutter***

Follow the instructions on the cleaning card shipped with the label maker.

### ***Cleaning the Print Head***

Remove the cutter mechanism by loosening the screw that holds it in place. Lift the cutter away from the label maker and clean the print head with a cotton swab dipped in isopropyl alcohol. Replace the cutter mechanism.

### ***Replacing the System Power Cell***

A lithium system cell battery maintains the file and setup memory while power is turned "Off." If "System power cell low" appears when turning the label maker "On," the battery must be replaced. Order a new battery and replace it following the accompanying instructions.

#### **CAUTION!**

Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer. Dispose of used batteries according to the manufacturer's instructions.

## Specifications

<i>Physical</i>	<b>U.S. Units:</b>	<b>Metric Units:</b>
<b>Dimensions:</b>	12 by 3.75 by 4.5 in.	305 by 95 by 114 mm.
<b>Weight (with battery pack):</b>	2.3 lb.	1.04 kg

<i>Environmental</i>	<b>Operation:</b>	<b>Storage:</b>
<b>Temperature:*</b>	40° to 105°F (4° to 40°C)	0° to 140°F (-18° to 60°C)
<b>Relative Humidity:</b>	20% to 95% (non-condensing)	10% to 80% (non-condensing)

\*Exposing the HandiMark™ Portable Label Maker to direct sunlight is not recommended.

## International Power Cords

HandiMark™ Portable Label Maker users in countries outside of North America may have to supply their own power cord for connecting the battery charger unit to an AC electrical outlet.

Following are the specifications for the power cord to be used in various countries:

<b>In this Country:</b>	<b>Use this Power Cord:</b>
Sweden, Denmark, Norway, Finland, Holland, Switzerland, Austria, Germany, Italy, Belgium, France, Spain, Portugal, Hungary	<b>Power cord specifications</b> plug: CEE-7 connector: IEC 320 conductor size: 3 x 1.00 mm <sup>2</sup> description: H05VVF3G1.0 typ. stranding: 32/0.2 mm current rating: 10A voltage rating: 250 VAC maximum length: less than 3 meters
United Kingdom, Ireland, South Africa	<b>Power cord specifications</b> plug: BS 1363A connector: IEC 320 conductor size: 3 x 1.00 mm <sup>2</sup> description: H05VVF3G1.0 typ. stranding: 32/0.2 mm current rating: 10A voltage rating: 250 VAC maximum length: less than 3 meters
Australia, New Zealand	<b>Power cord specifications</b> plug: AS 3112-1981 connector: IEC 320 conductor size: 3 x 1.00 mm <sup>2</sup> description: AS 3191 typ. stranding: 32/0.2 mm current rating: 10A voltage rating: 250 VAC maximum length: less than 3 meters

