



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Support Resources

In addition to our complete product offering, Panduit also has a variety of support resources available:

Web Site

Visit us at www.panduit.com for the latest information on

- New Product Announcements
- Selection Guides
- Product Information
- Application Solutions
- Software Demo Downloads
- Product Drawings
- On-line Catalogs
- Installation Instructions
- Promotions and more!



On-Site Support

Our dedicated salesforce is ready to assist you on-site to provide

- Informational seminars on Lockout/Tagout Regulations and compliance
- Lockout/Tagout Device Consolidation Consultations
- Printer and Software Demonstrations
- Facility Identification Assessment

To reach your local salesperson, refer to the Sales Office listing on the back cover.

Toll-Free Product Selection Assistance

Our large, knowledgeable Customer Service staff is available 12½ hours a day to answer questions, provide distributor referrals, and check stock at 888-506-5400.

We also have many in-house experts available to provide suggestions and guide you to the best solution for your particular application. Just call our Product Management Department at 888-506-5400, ext. 7337 (outside the U.S., refer to our international listings on the back inside cover).



Software and Accessories

Three software packages designed for on-demand safety and facility printing:

- **SAFETY EASE™** Safety Sign is designed for printing signs and tags
- **SAFETY EASE™** Marker and Tag is designed for printing electrical and pipe markers and tags
- **PAN-MARK™** Labeling Software for applications that require custom formatting

Choose the system for your labeling application:

Software	Formating Options	Type of Printer Used	Type of Products Produced			See Page
			Signs	Tags	Markers	
SAFETY EASE Safety Sign	Pre-formatted	Laser or Ink Jet	Indoor	Indoor	—	1
SAFETY EASE Marker and Tag	Pre-formatted	Laser or Ink Jet	—	Indoor	Indoor	4
		PTR2 Thermal Transfer Printer	Indoor / Outdoor	—	Indoor / Outdoor	
PAN-MARK Labeling Software	Bar Coding, Text and Graphic Import, Custom Layout	Laser, Ink Jet, Thermal Transfer	—	—	Indoor / Outdoor	8

SAFETY EASE Safety Sign Software and Accessories



Create lockout, operational and electrical signs and tags in minutes!

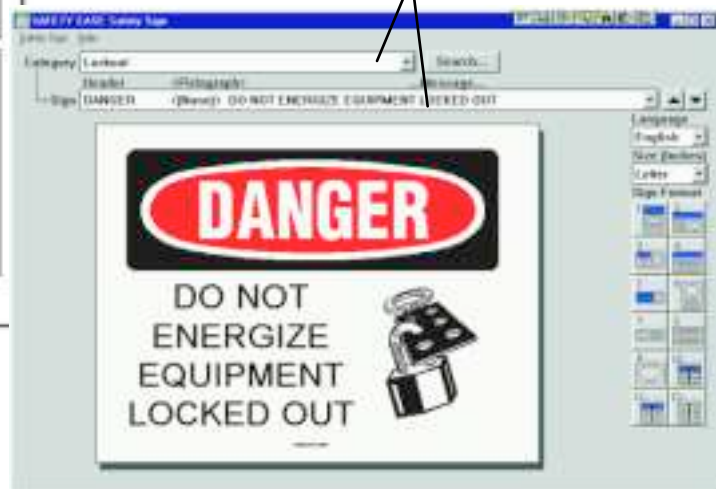
- Create cost-effective English and Spanish signs and tags on your ink jet or laser printer
- Select from over 2,000 pre-defined safety and general facility legends or create your own custom legend
- Pictographs and spell check included
- System Requirements: WINDOWS^ 3.1 or higher, 386 processor or higher, 4 Mb RAM for WINDOWS 3.1 and 3.11, 8 Mb RAM for WINDOWS 95, 3 Mb hard drive space (CD-ROM), 5 Mb RAM hard drive space (diskette)

Part Number	Description	Format	Std. Pkg.*
SEZ-SN	SAFETY EASE Safety Sign Software	(2) 3.5" Diskettes	1
SEZ-SN-CD		(1) Compact Disk	1



Pop Up Edit Screen allows the user to quickly edit text, change headers and add pictographs

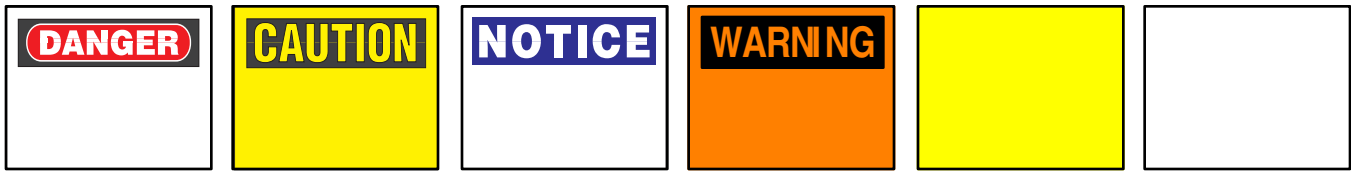
Convenient Category and Message Pull Down Menus allow user to choose from over 2,000 legends



*WINDOWS is a registered trademark of Microsoft Corp.

Adhesive Laser Printable Signs

- Indoor pressure sensitive signs with square corners on stay flat liner



Part Number	Header	Color (Legend/Background)	Size In. (mm)	Material	Signs/Pkg.	Std. Pkg.*
SEZ-1DLL	DANGER	Red and Black/White	8.5 x 11.0 (216 x 279)	GMPO Polyolefin	25	1 Pkg.
SEZ-1CLL	CAUTION	Black/Yellow				
SEZ-1NLL	NOTICE	Blue/White				
SEZ-1WLL	WARNING	Black/Orange				
SEZ-1YLL	No Header	Yellow				
PLL-25-PO-SH	No Header	White				

Self-Laminating Adhesive Sign Carriers

- Convert paper to adhesive indoor signs
- For clean and dry surfaces

Part Number	Carrier Size In. (mm)	Maximum Label Size In. (mm)	Material	Carriers/Pkg.	Std. Pkg.*
SEZ-SNC4	7.0 x 6.0 (178 x 152)	6.0 x 5.0 (152 x 127)	GMV4 Self-Laminating Plastic	5	1 Pkg.
SEZ-SNC2	10.5 x 7.0 (267 x 178)	9.5 x 6.0 (241 x 152)			
SEZ-SNC3	12.0 x 6.0 (305 x 152)	11.0 x 5.0 (279 x 127)			
SEZ-SNC1	12.0 x 9.5 (305 x 241)	11.0 x 8.5 (279 x 216)			



Print paper marker using a laser or ink jet printer and cut out with scissors.



Place marker between the two pieces of self-adhesive laminate liner.



Remove top adhesive liner by peeling and press firmly onto top of marker.



Remove liner on back of carrier and adhere to clean, dry surface.

Self-Laminating Rigid Sign Carriers

- Convert paper to rigid indoor signs
- Cut out paper sign and insert into the self-laminating carrier

Part Number	Carrier Size In. (mm)	Maximum Label Size In. (mm)	Material	Carriers/Pkg.	Std. Pkg.*
SEZ-RSC1	7.0 x 6.0 (178 x 152)	6.0 x 5.0 (152 x 127)	GMV4 Self-Laminating Plastic	5	1 Pkg.
SEZ-RSC2	10.5 x 7.0 (267 x 178)	9.5 x 6.0 (241 x 152)			
SEZ-RSC4	12.0 x 6.0 (305 x 152)	11.0 x 5.0 (279 x 127)			
SEZ-RSC3	12.0 x 9.5 (305 x 241)	11.0 x 8.5 (279 x 216)			

Indoor Rigid Vinyl Safety Tag Carriers for Laser or Ink Jet Printers

- Create your own rigid indoor tags with protected legends in minutes!
- Using the PST Tag carrier allows tags to be resistant to mild chemicals and acids
- Sturdy brass grommet provides extra durability
- Panduit PLT2S (7.4") nylon ties included for quick and easy installation
- Meet OSHA Standard 1910.147 for lockout tag 50 lb. pull force requirement

Part Number	Size In. (mm)	Lamination	Carriers and Ties/Pkg.	Material	Std. Pkg.*
PST-4	3.50 x 5.75 (89 x 146)	Front Only	25	GMV4 Self-Laminating Plastic	1 Pkg.
PST-6			100		
PST-5		Front and Back	25		
PST-7			100		



Print paper tag using a laser or ink jet printer. Use scissors to cut out tag.



Place tag between self-adhesive laminate liner and rigid vinyl backing. Fasten tag with Panduit Cable Tie.

Economical Card Stock Tags for Ink Jet Printers

- Economical solution for temporary, indoor tags

Part Number	Tag Size In. (mm)	Color	Material	Tags/Sheet	Sheets/Pkg.	Std. Pkg.*
SEZ-TAGWH	3.00 x 5.00 (76 x 146)	White	PCT Card Stock	4	25	1 Pkg.
SEZ-TAGOR		Orange				
SEZ-TAGY		Yellow				
SEZ-TAGRD		Red				
SEZ-TAGGR		Green				
SEZ-TAGBL		Blue				



Print sheet of tag stock using an ink jet printer. Tear tags apart on perforation.

SAFETY EASE Marker and Tag Software and Accessories



Create Electrical Markers, Pipe Markers and Tags — Just In Time!

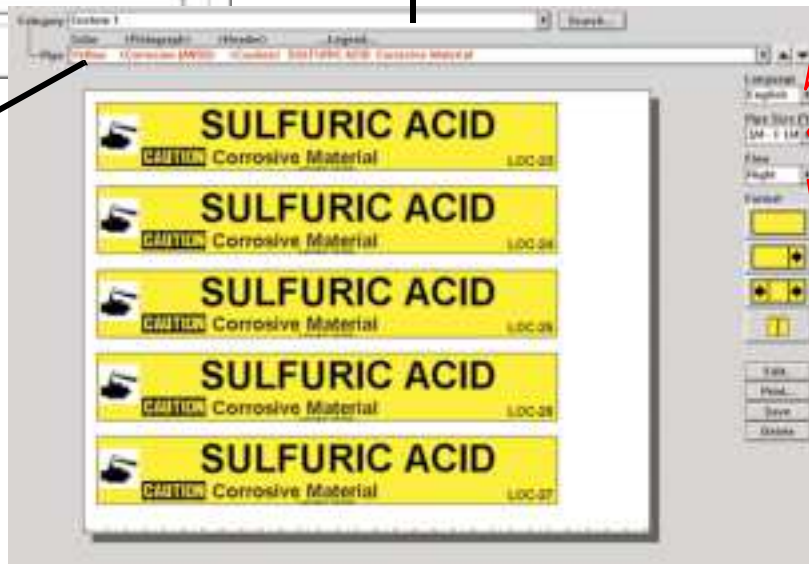
- Produce English, Spanish and Bilingual electrical markers, tags and pipe markers with your own computer
- Select from over 500 defined ANSI, IIAR (Ammonia Refrigeration) and Medical Gas pipe marker legends or create your own custom legends in minutes!
- Pictographs, serialization and the ability to add additional information greatly enhance workplace safety, communication and training
- System Requirements: WINDOWS[®] 3.1 or higher, 386 processor or higher, 4 Mb RAM for WINDOWS 3.1 and 3.11, 8 Mb RAM for WINDOWS 95, 3 Mb hard drive space (CD-ROM), 5 Mb RAM hard drive space (diskette)



Convenient Category Pull Down Menu allows user to choose from over 10 categories such as chemical, electrical, IIAR, etc. or create up to 5 custom categories.

English
Spanish
Bilingual

Pipe Pull Down Menu allows user to identify key components such as color, pictograph and header (if applicable) and legend.



< 3/4
3/4 - 1 1/4
1 1/2 - 2
2 1/2 - 6
8 - 10

Left
Right
Both

Choose the system for your labeling application:

Printer Used	Type of Markers Produced			
	Pipe Markers	Electrical Markers	Tags	Signs
DURA-MARK™ PTR2 Printer	Indoor and Outdoor	Indoor and Outdoor	—	Indoor and Outdoor
Ink-Jet or Laser	Indoor	Indoor	Indoor	—

[®]WINDOWS is a registered trademark of Microsoft Corp.

SAFETY EASE / DURA-MARK PTR2 System:



Site licensing available.

Use the Panduit **DURA-MARK** PTR2 Thermal Transfer Printer to produce vivid indoor/outdoor adhesive vinyl markers and signs

- Clear over-laminate available to provide extra chemical and weather resistance
- Accessories available to convert adhesive markers to non-adhesive wrap-around markers, strap-on markers and signs
- Order supplies individually or in kits as listed below

Part Number	Description	Std. Pkg.*
PTR2	DURA-MARK Thermal Transfer Printer	1
SEZ-PM	SAFETY EASE Software	1

* Order number required in multiples of Std. Pkg.

PTR2 Supplies Sold Individually

Part Number	Description	Roll Width In. (mm)	Roll Length Ft. (m)	Color	Std. Pkg.*
TTP2-CLR	TTP Polyester Thermal Transfer Roll	2.00 (51)	100 (30)	Clear	1
TTV2-WHT	TTV Vinyl Thermal Transfer Roll	2.00 (51)	100 (30)	White	1
TTV2-YEL				Yellow	
TTV2-RED				Red	
TTV2-GRN				Green	
TTV2-BLU				Blue	
TTV2-ORG				Orange	
TTPA2-WHT				TTPA Paper Thermal Transfer Roll	
TTR2-BL	Thermal Transfer Ribbon	2.50 (64)	280 (85)	Black	1
TTR2-WH			262 (80)	White	1
TTP2-LAM	TTP Polyester Overlaminate Roll	2.25 (57)	100 (30)	Clear	1
TTP4-CLR	TTP Polyester Thermal Transfer Roll	4.00 (102)	100 (30)	Clear	1
TTV4-WHT	TTV Vinyl Thermal Transfer Roll	4.00 (102)	100 (30)	White	1
TTV4-YEL				Yellow	
TTV4-RED				Red	
TTV4-GRN				Green	
TTV4-BLU				Blue	
TTV4-ORG				Orange	
TTPA4-WHT	TTPA Paper Thermal Transfer Roll	4.00 (102)	125 (38)	White	1
TTR-BL	Thermal Transfer Ribbon	4.33 (110)	280 (85)	Black	1
TTR-WH			262 (80)	White	1
TTP4-LAM	TTP Polyester Overlaminate Roll	4.25 (108)	100 (30)	Clear	1

Rolls are on 1.00" (25 mm) cores

*Order number of rolls required in multiples of Std. Pkg.

SAFETY EASE Electrical Marker and Tag Kit



- To create tags and 2" (51 mm) high yellow and orange markers

Part Number	Contents	Std. Pkg.*
SEZ-ELECKIT	(1) PTR2 DURA-MARK Printer	1 Kit
	(1) SEZ-PM SAFETY EASE Software	
	(1) TTV2-YEL 2" x 100' (51 mm x 30 m) Yellow Thermal Transfer Roll	
	(1) TTV2-ORG 2" x 100' (51 mm x 30 m) Orange Thermal Transfer Roll	
	(1) TTR2-BL 2.50" x 280' (64 mm x 85 m) Black PTR2 Ribbon	
	(25 tags & ties) PST-4 3.50" x 5.75" (89 x 146 mm) Self-laminating Tag with 0.38" (10 mm) Brass Grommet; Nylon ties included for each tag‡	

* Order number of kits required

‡ For use with laser or ink-jet printers

SAFETY EASE™ Pipe Marker and Tag Kit



- To create tags and 2" (51 mm) high yellow and green markers

Part Number	Contents	Std. Pkg.*
SEZ-PIPEKIT1	(1) PTR2 DURA-MARK Printer	1 Kit
	(1) SEZ-PM SAFETY EASE Software	
	(1) TTV2-YEL 2" x 100' (51 mm x 30 m) Yellow Thermal Transfer Roll	
	(1) TTV2-GRN 2" x 100' (51 mm x 30 m) Green Thermal Transfer Roll	
	(1) TTR2-WH 2.50" x 280' (64 mm x 85 m) White PTR2 Ribbon	
	(1) TTR2-BL 2.50" x 280' (64 mm x 85 m) Black PTR2 Ribbon	
	(25 tags & ties) PST-4 3.50" x 5.75" (89 x 146 mm) Self-laminating Tag with 0.38" (10 mm) Brass Grommet; Nylon ties included for each tag†	

* Order number of kits required

† For use with laser or ink-jet printers

Create your own Wrap-Around and Strap-On Markers!

GMPET Rigid polyester carriers for marking surfaces where adhesive markers will not adhere. Select from wrap-around carriers for pipe outside diameters up to 2.0" (51 mm) or strap-on carriers for pipes with outside diameters over 2.5" (64 mm).

Wrap-Around and Strap-On Pipe Marker Carriers

Part Number	Style	Maximum Marker Length In. (mm)	Pipe Outside Diameter In. (mm)	Std. Pkg.*
SEZ-WRAP1	Flat Wrap-Around	13.0 (330)	0.75 - 1.25 (19 - 32)	1 Pkg. (5 pcs)
SEZ-WRAP2		17.0 (432)	1.25 - 2.00 (32 - 51)	
SEZ-STRAP6	Strap-On (5 ties required for installation)	24.0 (610)	2.50 - 6.00 (64 - 152)	
SEZ-STRAP8		38.0 (965)	8.00 and Over (203)	

* Order number of Std. Pkg.'s required.

NOTE: Panduit standard pressure-sensitive pipe markers can be used with the above carriers. Carrier outdoor life expectancy= Approximately 2 years for carrier only.

Pipe Marker Ties for Strap-On Carriers

Part Number	Maximum Pipe O.D. In. (mm)	Application	Std. Pkg.*
PLT7LH-L0	7.0 (178)	Indoor/Outdoor	50 ties
SLT10LH-L0	10.0 (254)		
SLT14H-L	14.0 (356)	Indoor	
SLT18H-L	18.0 (457)		

* Order number of ties required in multiples of Std. Pkg.

Wrap-Around:



Take adhesive backed marker and adhere marker to the top of the carrier.



Wrap carrier around the pipe and adhere the adhesive strip onto the edge of the carrier. Carrier is now secure.



Carrier stays secure around pipe and marker identifies content and directional flow.

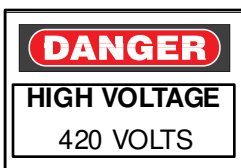
NOTE: Pre-coiled clear snap-on carriers are shown on [page 65](#)

Strap-On:



Apply adhesive backed marker to top of carrier. Secure carrier to pipe with pipe marker ties.

Create your own Safety Signs!



- Create your own legend using the Panduit **DURA-MARK**™ PTR2 Printer in conjunction with your computer and clear polyester supply tapes shown on [page 5](#)
- Print legend on clear TTP Polyester tape and adhere marker to any of the pressure sensitive or rigid safety signs shown on [page 19](#)

SAFETY EASE / Laser or Ink-Jet Printer System:



Use your own computer and laser or ink-jet printer and Panduit **SAFETY EASE** software to create and print indoor electrical markers, tags and pipe markers.

- Print paper markers and tags on your printer
- Choose from the following accessories to convert paper to adhesive or non-adhesive markers and tags

Create your own Adhesive Electrical and Pipe Markers!

Indoor Polyester Adhesive Pipe Marker Carriers

- For clean and dry surfaces
- Insert the paper marker into the self-laminating adhesive carrier

Part Number	Maximum Marker Size In. (mm)	Pipe Outside Diameter In. (mm)	Carriers/ Pkg	Std. Pkg.*
SEZ-PMC.75	9.0 x 1.5 (229 x 38)	Less than 0.75 (19)	5	1 Pkg.
SEZ-PMC1	12.0 x 2.0 (305 x 51)	0.75 - 1.25 (19 - 32)		
SEZ-PMC2	16.0 x 3.0 (406 x 76)	1.50 - 2.00 (38 - 51)		
SEZ-PMC6	23.0 x 4.0 (584 x 102)	2.50 - 6.00 (64 - 152)		
SEZ-PMC8	32.0 x 9.0 (813 x 229)	8.00 (203) and above		

* Order number of Std. Pkg's required

NOTE: Panduit **DURA-MARK™** PTR2 printed pressure-sensitive pipe markers can be used with the above carriers for added protection.



Print paper marker using a laser or ink-jet printer and cut out with scissors. Place marker between the two pieces of self-adhesive laminate liners.



Remove top adhesive liner by peeling and press firmly onto top of marker.



Marker is now ready to be applied to the pipe. Remove liner on back of the carrier and adhere to pipe.



Carrier stays secure around pipe and identifies content and directional flow.

Create your own Wrap-Around and Strap-On Markers!

Create your own Wrap-Around and Strap-On markers designed for marking surfaces where adhesive markers will not adhere. After printing paper marker on laser or ink-jet printer and placing in Adhesive Marker Carrier, apply carrier to appropriate Wrap-Around or Strap-On Carrier. Then apply carrier to your marking surface.

Part number listing for Wrap-Around or Strap-On Carriers on [page 6](#).

Create your own Tags!

Create your own rigid tags with protected legends or card stock tags for temporary applications on your own laser or ink jet printer. Part number listing on [page 3](#).

PAN-MARK™ for WINDOWS^ 2.5 Labeling Software



Import images from library of common electrical symbols



Bar coding and data import functions make even complex labels seem simple



Easy serialization and graphic import options

For applications using bar codes, imported graphics, and information from existing databases

- Easy to enter different text on each label — simply type the text and press Page Down for the next label!
- Includes all of the latest label formats for Panduit Thermal Transfer, Ink Jet, and Laser Labels
- Ability to create spreadsheets and databases within the program for data import and information storage
- Import data from most Microsoft databases such as EXCEL^ and ACCESS^
- 21 Resident Bar Code Symbolologies
- Easy to install
- Available on CD-ROM

Software Features

- Uses all WINDOWS printer drivers and can be used to drive Panduit PTR2 and LS5E Printers
- Supplied with 3.5" disks or CD
- ODBC (Open Data-Base Connectivity) allows importing of information from electronic databases such as EXCEL^ and ACCESS^ directly onto the label formats
- Tool menu allows user to add to favorite WINDOWS tools
- Uses a full range of WINDOWS fonts including TrueType* fonts
- Print from 2 pt. to 300 pt. + on the same label
- Panduit label formats ready to use
- Create custom label formats
- Pipe Marker designs
- Image and text scaling
- Date, time, series, graphic and data import fields
- Format and label previews
- Print preview
- Multiple print range selection
- Text rotation and alignment

^ WINDOWS, EXCEL and ACCESS are registered trademarks of Microsoft Corp.
* TrueType is a registered trademark of Apple Computing, Inc.

Edit Functions

- Standard copy, cut and paste
- Copy multiple labels
- Remove, Insert and Find a label

Serialization

- Alpha, numeric, octal, hexadecimal and combinations
- Multiple serialized strings in same file
- Easy text and serialization combination
- Insert constants in an existing file

Bar Code Features

- Easily create certified bar codes
- Resident Bar Code Symbologies
- -Codabar
- -Code 128 (A, Auto, B, C)
- -Code 39 (Standard, Extended)
- -Code 93 (Standard, Extended)
- -EAN/JAN 13
- -EAN/JAN 8
- -HIBC/HIBC-LIC
- -Interleaved 2 of 5
- -MSI Plessey
- -PDF 417
- -UCC 128
- -UPC (A, E: 11 Digit, System 0, System 1)
- -Zip+4 Postal Codes

Image Functions

- Import Bitmap (.BMP) graphic images into a label — add you own company logo to labels!
- Copy image from one label to others
- Image library of common electrical and datacomm symbols includes these symbols and more!



System Recommendations

- WINDOWS^ 3.1, 3.11, WINDOWS 95, 98 and NT
- Mouse or keyboard driven
- Recommend 486 processor, min. 8 Mb of RAM
- 30 Mb of hard drive space

Part Number	Format	Std. Pkg.*
PROG-WIN2	3.5" Disks	1
PROG-WIN2CD	CD-ROM	1

*Order number of software packages required in multiples of Std. Pkg.
 ^ WINDOWS is a registered trademark of Microsoft Corp.

Printer Selection Matrix

Features	Printers			
	PTR2 <i>(Pg. 11)</i>	LS5/LS5E <i>(Pg. 13)</i>	LS3E <i>(Pg. 15)</i>	LS4M <i>(Pg. 18)</i>

Label Options

Heat Shrink Markers	Yes	Yes	Yes	No
Component Markers	Yes	Yes	Yes	No
Industrial Laminated Tape	No	Yes	No	Yes
Commercial Non-Laminated Tape	Yes	Yes	No	Yes

Mechanical Specifications

Type	Desktop	Hand-Held	Hand-Held	Portable
Print Method	Thermal Transfer	Thermal Transfer	9-Pin Dot-Matrix	Thermal Transfer
Volume	Medium to High	Low	Low	Low
Label Widths	Up to 4.10" (104 mm)	0.50" - 1.00" (13 - 25 mm)	0.25" - 1.50" (6 - 38 mm)	0.50" (13 mm)
Weight	4 lbs. (1.8 kg)	4.7 lbs. (2.1 kg)	2.7 lbs. (1.2 kg)	3.5 lbs. (1.6 kg)
Power Supply	AC	Batteries or AC	Battery Pack or AC	Batteries or AC
PC Interface Required	Yes	No	No	No
Optical Registration for Exact Print Registration	Yes	Yes	Yes	N/A
Memory	N/A	LS5 - 16Kb, LS5E - 450Kb	20 Kb	No
RS232 Port	Computer Interface	Yes	No	No
Cutter	No	Yes	No	Yes

Print Options

Print Sizes	0.06" - 3.50" (2 - 89 mm)	6 point to 72 point	Small, Compressed, Normal, Large	6 point to 24 point
Lines of Variable Print	Dependent on software	6	47	4
Upper and Lower Case	Yes	Yes	Yes	Yes
Underline / Rotated / Bold Text	Yes	Yes	Yes	Yes
Serialization	Yes	Yes	Yes	Yes
Bar Codes	Yes	Yes	No	Yes (with optional font card)

DURA-MARK™ PTR2 Thermal Transfer Printer And Accessories

Create your own custom electrical and pipe markers, bin markers or other large labels

- Versatile — Produce labels for many safety and MRO applications, on-site!
- Prints labels for a wide variety of Panduit Sign Panels (see [page 19](#))
- Print legends up to 3.5" (89 mm) high
- Works with most standard PC's and label printing software including **SAFETY EASE™** Marker and Tag Software (Part Number: SEZ-PM shown on [page 4](#)) and **PAN-MARK™** for WINDOWS^ Labeling Software (Part Number: PROG-WIN2 shown on [page 8](#))



Mechanical Information

- Print Method:** Thermal transfer and direct thermal printing
- Size:** Height: 5.3" (135 mm)
Width: 7.9" (200 mm)
Depth: 8.9" (226 mm)
Weight: 4 lbs. (1.8 kg)
- Print Speed:** Select constant print speeds of 1", 1.5" or 2" (25, 38, or 51 mm) per second
- Media:** Roll Width: 1.1" - 4.6" (28 mm - 118 mm)
Max. Roll Diameter: 3.8" (96 mm)
Core Diameter: 1.0" (25 mm)
Use PTR2-RS Roll Stand for rolls with a core diameter > 1.0" (25 mm)
- Memory:** 128 Kb Standard
- Double Buffer:** Contains a double buffer which makes the printer capable of printing continuously from WINDOWS
- Sensors:** See through sensor designed for die-cut labels and tag registration
- Graphics Resolution:** Up to 203 dpi

Print Information

- Fonts can be printed in four directions: 0°, 90°, 180° and 270°
- Capable of reverse print, bar coding and graphics
- Prints up to 32.0" length x 3.5" high (813 x 89 mm) characters
- 4.1" (104 mm) maximum print width
- Capable of horizontal and vertical print

Part Number	Description	Std. Pkg.*
PTR2	Thermal Transfer Printer	1
PTR2-RS	External Label Roll Stand <i>Used to rear feed labels that are not supplied on 1.0" (25 mm) cores</i>	1

*Order number required in multiples of Std. Pkg.

^WINDOWS is a trademark of Microsoft Corp.

PTR2 Thermal Transfer Ribbons

Part Number	Material	Size Width x Length	Use	Color	Std. Pkg.*
TTR-BL	Resin	4.33" x 280' (110 mm x 85 m)	Vinyl and Polyester Applications	Black	1
TTR2-BL	Resin	2.50" x 280' (64 mm x 85 m)	Vinyl and Polyester Applications	Black	1
TTR-WH	Resin	4.33" x 262' (110 mm x 80 m)	Vinyl and Polyester Applications	White	1
TTR2-WH	Resin	2.50" x 262' (64 mm x 80 m)	Vinyl and Polyester Applications	White	1
TTRW-BL	Wax	4.33" x 280' (110 mm x 85 m)	Paper and Heat Shrink Applications	Black	1
TTRW2-BL	Wax	2.50" x 280' (64 mm x 85 m)	Paper and Heat Shrink Applications	Black	1

*Order number of ribbons required in multiples of Std. Pkg.



2" (51 mm) Wide Rolls

Part Number	Description	Roll Width In. (mm)	Roll Length Ft. (m)	Color	Std. Pkg.*
TTP2-CLR	TTP Polyester Thermal Transfer Roll	2.00 (51)	100 (30)	Clear	1
TTV2-WHT	TTV Vinyl Thermal Transfer Roll	2.00 (51)	100 (30)	White	1
TTV2-YEL				Yellow	
TTV2-RED				Red	
TTV2-GRN				Green	
TTV2-BLU				Blue	
TTV2-ORG				Orange	
TTPA2-WHT	TTPA Paper Thermal Transfer Roll	2.00 (51)	125 (38)	White	1
TTP2-LAM	TTP Polyester Overlaminates Roll	2.25 (57)	100 (30)	Clear	1

Rolls are on 1.00" (25 mm) cores

*Order number of rolls required in multiples of Std. Pkg.



4" (102 mm) Wide Rolls

Part Number	Description	Roll Width In. (mm)	Roll Length Ft. (m)	Color	Std. Pkg.*
TTP4-CLR	TTP Polyester Thermal Transfer Roll	4.00 (102)	100 (30)	Clear	1
TTV4-WHT	TTV Vinyl Thermal Transfer Roll	4.00 (102)	100 (30)	White	1
TTV4-YEL				Yellow	
TTV4-RED				Red	
TTV4-GRN				Green	
TTV4-BLU				Blue	
TTV4-ORG				Orange	
TTPA4-WHT	TTPA Paper Thermal Transfer Roll	4.00 (102)	125 (38)	White	1
TTP4-LAM	TTP Polyester Overlaminates Roll	4.25 (108)	100 (30)	Clear	1

Rolls are on 1.00" (25 mm) cores

*Order number of rolls required in multiples of Std. Pkg.

LS5 and LS5E Industrial Labeling Systems

Hand-held, portable labeling systems designed to meet the rugged demands of industrial labeling applications

- Produce laminated and non-laminated tape, regular and tamper-evident labels and heat shrink markers
- Print up to 6 lines of text from 6 point to 72 point, plus bar coding
- Automatic alpha and numeric serialization, legend repeat and file storage memory to save time producing labels



Choose the System which best suits your application:

Mechanical Information

- Print Method:** Thermal transfer printing
- Size:** Height: 4.5" (114 mm)
 Width: 6.0" (152 mm)
 Depth: 11.5" (292 mm)
 Weight: 4.7 lbs. (2.1 kg) with batteries
- Graphics Resolution:** 203 dpi
- Communications:** RS232 serial communication port
- Display:** Two-line x 16 character display
- Operating Temperature:** 32° to 104°F (0° to 40°C)
- Power Source:** 6 C-Cell Ni-Cad batteries (Included)
 UL Listed, CSA Approved Power Adapter (Optional)

Print Information

	LS5 Printer Part Number: LS5-KIT	LS5E Enhanced Printer Part Number: LS5E
Usable Memory	16K	450K
Inherent Bar Codes	Code 39, Code 128, Codabar, 1 2 of 5, EAN 8, EAN 13, UPC A, UPC E	Code 39, Code 128, Codabar, 1 2 of 5, EAN 8, EAN 13, UPC A, UPC E, PDF417, MSI Plessey
Enhanced Printer Features	—	Time and Date Clock Tape Feed Control Annunciator
Prompting Languages	English, Spanish, French, German, Portuguese, Italian	English, Spanish, French, German, Portuguese, Italian, Swedish, Danish, Dutch, Norwegian, Finnish
Print Styles	Outline, Shadow, Underline, Bold, Frame, Italic, Mirror, Rotated	Underline, Bold, Frame, Italic, Mirror, Rotated
Edit Feature	Yes	Yes
Alpha/Numeric Sequencing	Yes	Yes
Repeat 999 times	Yes	Yes
Left/Right/Center Justification	Yes	Yes
Scaling	Yes	Yes
Up to 6 Lines of Text	Yes	Yes

Printer and Accessories

Part Number	Description	Std. Pkg.*
LS5-KIT	Industrial Labeling System Kit (Includes LS5 Printer, 6 C-Cell Ni-Cad Batteries, Ni-Cad Battery Charger, one LS5-33 Laminated 1" Industrial Tape Cartridge, 8 resident bar code fonts)	1
LS5E	Enhanced Industrial Labeling System Kit (Includes LS5E Printer, 6 C-Cell Ni-Cad Batteries, Ni-Cad Battery Charger, one LS5-33 Laminated 1" Industrial Tape Cartridge, one 9 pin null modem cable, 10 resident bar code fonts)	1
LS5-1	Replacement Battery Charger	1
LS5-2	Soft Sided Carrying Case (Optional)	1
LS5-3	Hand Strap (Optional)	1
LS5-60	AC Power Supply (Optional)	1
LS5-D	WINDOWS' Driver Disk (Optional) For WINDOWS 3.1, 3.11 and 95	1

*Order number of pieces required in multiples of Std. Pkg.
 ^ WINDOWS is a registered trademark of Microsoft Corporation

Selecting the Correct Font Size

The charts below show the Font Point Size to use based on the tape or tubing used and lines of text desired:

Tape Width In. (mm)	Lines of Text					
	1 Line	2 Lines	3 Lines	4 Lines	5 Lines	6 Lines
0.50 (13)	30 pt	14 pt	8 pt	6 pt	—	—
0.80 (20)	55 pt	24 pt	16 pt	12 pt	9 pt	7 pt
1.00 (25)	72 pt	33 pt	21 pt	16 pt	12 pt	10 pt

Tubing Diameter In. (mm)	Lines of Text					
	1 Line	2 Lines	3 Lines	4 Lines	5 Lines	6 Lines
0.25 (6)	24 pt	10 pt	6 pt	—	—	—
0.38 (10)	36 pt	16 pt	10 pt	8 pt	6 pt	—
0.50 (13)	46 pt	20 pt	13 pt	10 pt	7 pt	6 pt

Laminated Industrial Tape Cartridges

- For tough jobs and can withstand extremes of heat and cold, resist abrasion, UV light exposure, and the most commonly used chemicals and solvent.

Part Number	Tape Width In. (mm)	Tape Length Ft. (m)	Legend/ Background Color	Std. Pkg.*		
LS5-530	0.50 (13)	40 (12)	Black/Clear	1		
LS5-533			Black/White	1		
LS5-535			Red/White	1		
LS5-537			Black/Red	1		
LS5-538			Black/Yellow	1		
LS5-544			White/Black	1		
LS5-547			White/Blue	1		
LS5-548			White/Red	1		
LS5-70			0.80 (20)	40 (12)	Black/Clear	1
LS5-72					Red/Clear	1
LS5-73	Black/White	1				
LS5-74	Blue/White	1				
LS5-75	Red/White	1				
LS5-77	Black/Red	1				
LS5-78	Black/Yellow	1				
LS5-79	Black/Green	1				
LS5-82	White/Clear	1				
LS5-87	White/Blue	1				
LS5-88	White/Red	1				
LS5-89	White/Green	1				
LS5-90	1.00 (25)	40 (12)	Black/Orange	1		
LS5-30			Black/Clear	1		
LS5-32			Red/Clear	1		
LS5-33			Black/White	1		
LS5-34			Blue/White	1		
LS5-35			Red/White	1		
LS5-37			Black/Red	1		
LS5-38			Black/Yellow	1		
LS5-39			Black/Green	1		
LS5-42			White/Clear	1		
LS5-44	White/Black	1				
LS5-47	White/Blue	1				
LS5-48	White/Red	1				
LS5-49	White/Green	1				
LS5-50	Black/Orange	1				

Laminated Tamper-Evident Tape Cartridge

Part Number	Tape Width In. (mm)	Tape Length Ft. (m)	Legend/ Background Color	Std. Pkg.*
LS5-33T	1.00 (25)	40 (12)	Black/White	1

Non-Laminated Commercial Tape Cartridge

- For indoor applications where abrasion and chemical resistance are not required

Part Number	Tape Width In. (mm)	Tape Length Ft. (m)	Legend/ Background Color	Std. Pkg.*
LS5-30C	1.00 (25)	4.00 (12)	Black/Clear	1
LS5-33C			Black/White	1
LS5-35C			Red/White	1
LS5-38C			Black/Yellow	1

White Die-Cut Label Cartridges

Part Number	Material	Label Size Width x Length In. (mm)	Labels/ Cartridge	Std. Pkg.*
LS5-17	Polyester	0.50 x 1.00 (13 x 25)	174	1
LS5-18	Polyester	0.66 x 3.44 (17 x 87) File Folder Size	92	1
LS5-19	Synthetic Paper	0.66 x 3.44 (17 x 87) File Folder Size	92	1
LS5-20	Synthetic Paper	1.00 x 4.00 (25 x 102)	82	1

3:1 Flattened Polyolefin Heat Shrink Tubing Supply Cartridges

Part Number	Diameter In. (mm)	Color	Length In. (mm)	Std. Pkg.*
LS5-HS3	0.25 (6)	Black/White	100 (2540)	1
LS5-HS4	0.38 (10)			1
LS5-HS5	0.50 (13)			1
LS5-HS8	0.25 (6)	Black/Yellow	100 (2540)	1
LS5-HS9	0.38 (10)			1
LS5-HS10	0.50 (13)			1
				1

Pan-Quik™ LS3E Hand-Held Dot-Matrix Printer and Accessories



Mechanical Information



- Print Method:** 9 pin dot-matrix print head
- Size:**
 - Height: 3.6" (92 mm)
 - Width: 4.2" (108 mm)
 - Length: 13.2" (337 mm)
 - Weight: 2.7 lbs. (1.2 kg)
- Display:** 2 line x 16 character liquid crystal display
- Keyboard:** 49 color coded keys with ergonomically designed keypad
- Power Source:** 12 VDC, 1200 mAh rechargeable Ni-Cad Battery Pack (Included)

Printer

Part Number	Description	Plug Type	Operator's Manual Language	Std. Pkg.*
LS3E†	Includes Printer, Battery Pack, Battery Charger, Printer Ribbon, Wrist Strap and Operator's Manual	North American 120	English	1
LS3E-PS			Portuguese	
LS3E-ES			Spanish	

† Also available with Euro 230, U.K. 240 and Australian 240 Plugs and Operator's Manual in Chinese, Dutch, French, German, Italian and Japanese. Contact factory for complete part number information.

* Order number of printers required in multiples of Std. Pkg.



Printer Replacement Parts

Part Number	Description	Std. Pkg.*
LS3-RIB	Replacement Printer Ribbon	1
LS3E-BP	Replacement Battery Pack	1
LS3EC-S	Replacement North American 120 Battery Charger <i>Used only to charge LS3E battery. Cannot be used to power LS3E directly from Power Outlet.</i>	1
LS3E-MAN-A†	Replacement Operator's Manual - English	1

† To order Operator's Manual in other languages, replace -A with -C for Chinese, -N for Dutch, -F for French, -D for German, -I for Italian, -J for Japanese, -P for Portuguese, and -E for Spanish.

* Order number of replacement parts required in multiples of Std. Pkg.



LS3-RIB



LS3E-BP



LS3EC-S



LS3E-MAN-A

Optional Accessories

Part Number	Description	Plug Type	Std. Pkg.*
LS3EACS†	1 each: Universal AC Adapter (LS3EA), Battery Charging Pack (LS3E-CP) and Power Cord Listed (CORD-S) <i>Power LS3E directly from Power Outlet and charge LS3E Battery Pack at the same time</i>	North American 120	1
LS3EAK-S†	1 each: Universal AC Adapter (LS3EA) and Power Cord Listed (CORD-S) <i>Power LS3E directly from Power Outlet</i>	North American 120	1
LS3ECAP	1 each: Battery Charging Pack (LS3E-CP) and Auto Plug (LS3EAP) <i>Power LS3E directly from Auto Cigarette Lighter and charge LS3E Battery Pack at the same time</i>	—	1
LS3EAP	Replacement Auto Plug <i>Power LS3E directly from Auto Cigarette Lighter</i>	—	1
LS3E-CP	Replacement Battery Charging Pack <i>Power LS3E directly from AC Power Source and charge LS3E Battery Pack at the same time (Must be used with Universal AC Adapter and Power Cord - not included)</i>	—	1
LS3EA	Universal AC Adapter	—	1
CORD-S†	Replacement Power Cord	North American 120	1
LS3-CASE	Carrying Case	—	1
LS3-BS	Printer Belt Holster	—	1

† Also available with Euro 230, U.K. 240 and Australian 240 Plugs. Contact factory for complete part number information.

* Order number of accessories required in multiples of Std. Pkg.



LS3EACS



LS3EAK-S



LS3ECAP



LS3EAP



LS3E-CP



LS3EA



CORD-S



LS3-CASE



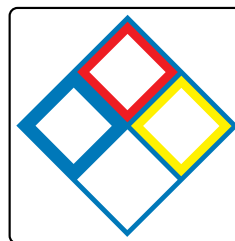
LS3-BS

LS3E Labels

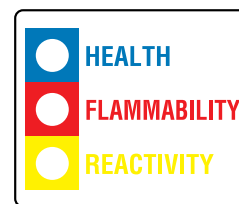
The label codes shown in each of the following charts are distinct codes used to tell the LS3E printer the size of the label.

Right-To-Know Labels

- Meet your OSHA Right-To-Know Labeling needs quickly and easily
- Label secondary containers of chemicals
- For increased protection, labels can be overlaminated with Clear Overlaminates Labels shown below



L3RTK-D
NFPA Diamond



L3RTK-B
Color Bar Format

Part Number	Label Code	Label Size In. (mm)	Material	Color (Legend/Background)	Labels/Rol	Std. Pkg.*
L3RTK-D	3838	1.50 x 1.50 (38 x 38)	GMP1 Paper	Red, Blue and Yellow/White	250	1 Roll
L3RTK-B	3232	1.50 x 1.25 (38 x 32)				

* Order number of rolls required in multiples of Std. Pkg.

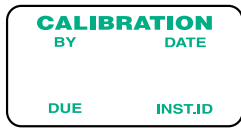
Clear Overlaminates Labels

- Apply on top of Right-To-Know labels, or other LS3E labels, to provide added abrasion and chemical resistance
- Labels are not printable

Part Number	Label Size In. (mm)	Material	Color	Labels/Rol	Std. Pkg.*
L3RTK-LAM	1.75 x 1.75 (44 x 44)	Polyester	Clear	250	1 Roll

* Order number of rolls required in multiples of Std. Pkg.

Asset and Quality Labels



LC-39



LC-40



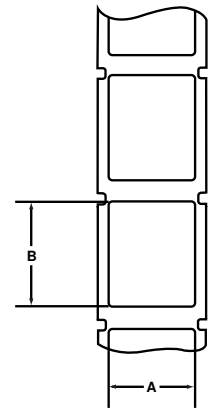
LC-38



LC-41

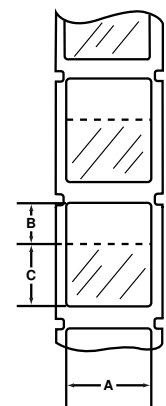
Part Number	Label Code	Label Size A x B In. (mm)	Material	Color (Legend/ Background)	Labels/ Roll	Std. Pkg.*
LC-39	3811	1.50 x 0.75 (38 x 19)	GMC Vinyl Cloth	Green/White	250	1 Roll
LC-40	3813	1.50 x 0.75 (38 x 19)	GMC Vinyl Cloth	Black/White	250	
LC-38	3611	1.50 x 0.75 (38 x 19)	GMV Polyester	Black/Silver	250	
LC-41	3617	1.50 x 0.75 (38 x 19)	GMV Polyester	Black/Silver	250	

* Order number of rolls required in multiples of Std. Pkg.



Laminated Label

- Print and apply top white label and overlaminate with clear bottom label
- Material: GMV3 Vinyl



Part Number	Label Code	Print-On Label Size A x B In. (mm)	Overlamine Label Size A x C In. (mm)	Normal Text‡		Labels/ Roll	Std. Pkg.*
				Lines Per Label	Characters Per Line		
LWS-11P	3819	1.50 x 0.75 (38 x 19)	1.50 x 1.75 (38 x 25)	5	16	100	1 Roll

‡ Similar information using other text sizes available in LS3E Manual

* Order number of rolls required in multiples of Std. Pkg.

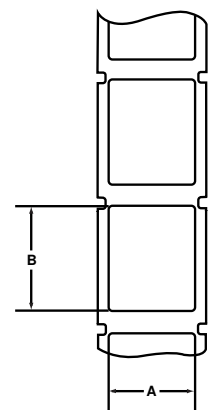
Component Labels

- Available in a wide range of sizes
- Material: GMC5-W White Vinyl Cloth

Part Number	Label Code	Label Size A x B In. (mm)	Normal Text‡		Labels/ Roll	Std. Pkg.*
			Lines Per Label	Characters Per Line		
LC-6	1307	0.50 x 0.28 (13 x 7)	1	4	500	1 Roll
LC-3	1313	0.50 x 0.50 (13 x 13)	3	4	500	
LC-7	2507	1.00 x 0.28 (25 x 7)	1	10	500	
LC-9	2510	1.00 x 0.40 (25 x 10)	2	10	500	
LC-10	2513	1.00 x 0.50 (25 x 13)	3	10	500	
LC-4	2519	1.00 x 0.75 (25 x 19)	5	10	250	
LC-2	2525	1.00 x 1.00 (25 x 25)	7	10	250	
LC-8	3807	1.50 x 0.28 (38 x 7)	1	16	500	
LC-11	3813	1.50 x 0.50 (38 x 13)	3	16	500	
LC-5	3819	1.50 x 0.75 (38 x 19)	5	16	250	
LC-1	3832	1.50 x 1.25 (38 x 32)	9	16	250	

‡ Similar information using other text sizes available in LS3E Manual

* Order number of rolls required in multiples of Std. Pkg.



LS4M Multiple Line Portable Labeling System



High performance, self-contained labeling system that prints up to four lines of text on 0.50" (13 mm) wide adhesive tape

- Laminated, adhesive backed polyester tape is heat and scratch resistant, supplied in convenient cartridges
- Label cartridges feature built-in thermal transfer ribbon, overlamine and cutter for trouble-free performance
- Indestructible polyester laminate insures no loss of readability
- Compact, portable size allows usage anywhere
- Use with AC Power Adapter (included) or four Ni-Cad batteries (not included)

Printer Features

- Prints in 3 standard font sizes 6, 8, and 12 point Helvetica
- Prints in bold, outline, vertical, negative image, mirror image, shadow and underline
- Prints marker either horizontally or vertically
- Automatic alpha and numeric sequencing
- Prints up to 15 characters per second
- Text may be scaled 2X for larger more legible print
- 16-character display screen allows text verification prior to printing
- Prints from 1-4 lines on single strip of tape



Circuit board labeling



Label switches, relays and other devices



Telecommunications labeling



Inventory and bin-marking

Printer and Accessories

Part Number	Description	Std. Pkg.*
LS4M	Multiple Line Labeling System (Includes AC Power Adapter, batteries not included)	1
LS4-60	Replacement 115 VAC Power Adapter	1
LS4-53	Ni-Cad Battery Charger (Optional)	1
LS4-54	3 of 9 Bar Code Font Card (Optional)	1
LS4-57	6 point Helvetica Regular Font Card (Optional)	1
LS4-58	18 point Helvetica Regular Font Card (Optional)	1
LS4-59	36 point Helvetica Regular Font Card (Optional)	1
LS4H-7	Black Carrying Case (Optional)	1

LS4M Industrial Labeling Tape (Heavy duty, outdoor)

- Withstand extremes of heat and cold, resist abrasion, UV light exposure, and the most commonly used chemicals and solvents.

Part Number	Width In. (mm)	Length Ft. (m)	Color	Std. Pkg.*
LS4-30I	0.50 (13)	50 (15)	Black/Clear	1
LS4-33I			Black/White	1
LS4-38I			Black/Yellow	1
LS4-42I			White/Clear	1
LS4-44I			White/Black	1

Standard Labeling Tapes

- Designed for indoor applications where abrasion and chemical resistance are not required

Part Number	Width In. (mm)	Length Ft. (m)	Color	Std. Pkg.*
LS4-30	0.50 (13)	50 (15)	Black/Clear	1
LS4-31			Blue/Clear	1
LS4-32			Red/Clear	1
LS4-33			Black/White	1
LS4-34			Blue/White	1
LS4-35			Red/White	1
LS4-36			Black/Blue	1
LS4-37			Black/Red	1
LS4-38			Black/Yellow	1
LS4-39			Black/Green	1
LS4-42			White/Clear	1
LS4-43			Green/White	1
LS4-44			White/Black	1
LS4-45			Black/Silver	1
LS4-46			Black/Gold	1
LS4-47			White/Blue	1
LS4-48			White/Red	1
LS4-49			White/Green	1
LS4-50			Black/Orange	1

Sign Panels - Blank Space for Special Messages

- Can be used with **DURA-MARK™** PTR2 Printer and **SAFETY EASE™** Marker and Tag Software shown on [page 5](#) to create your own custom signs
 - Print your own legend on clear Polyester tape with the PTR2 Printer and adhere label to adhesive or non-adhesive Sign Panel
 - Order part number TTP2-CLR for 2" x 100' roll, or TTP4-CLR for 4" x 100' roll
- Can also be used with **PAN-ALIGN™** Die Cut Letter and Numbers shown on following page



Header	Color Legend/Background	Size In. (mm)	GMM Polyester (Self-Adhesive) Part Number	GMPE1 Polyethylene (Non-Adhesive) Part Number
CAUTION	Black/Yellow	7 x 10 (178 x 254)	PPS0710C442	PRS0710C442
		10 x 14 (254 x 356)	PPS1014C442	PRS1014C442
		14 x 20 (356 x 508)	PPS1420C442	PRS1420C442
DANGER	Red and Black/White	7 x 10 (178 x 254)	PPS0710D440	PRS0710D440
		10 x 14 (254 x 356)	PPS1014D440	PRS1014D440
		14 x 20 (356 x 508)	PPS1420D440	PRS1420D440
NOTICE	Black and Blue/White	7 x 10 (178 x 254)	PPS0710N443	PRS0710N443
		10 x 14 (254 x 356)	PPS1014N443	PRS1014N443
		14 x 20 (356 x 508)	PPS1420N443	PRS1420N443
BLANK	White	7 x 10 (178 x 254)	PPS0710BWHT	PRS0710BWHT
		10 x 14 (254 x 356)	PPS1014BWHT	PRS1014BWHT
		14 x 20 (356 x 508)	PPS1420BWHT	PRS1420BWHT
BLANK	Yellow	7 x 10 (178 x 254)	PPS0710BYEL	PRS0710BYEL
		10 x 14 (254 x 356)	PPS1014BYEL	PRS1014BYEL
		14 x 20 (356 x 508)	PPS1420BYEL	PRS1420BYEL



Sign Panel - Header Only

Header	Color Legend/Background	Size In. (mm)	GMV1 Vinyl (Self-Adhesive) Part Number
CAUTION	Yellow/Black	2.25 x 9.00 (57 x 229)	PVS0209C446
		5.00 x 14.00 (127 x 356)	PVS0514C446
DANGER	Red and Black/White	2.25 x 9.00 (57 x 229)	PVS0209D445
		5.00 x 14.00 (127 x 356)	PVS0514D445

Std. Pkg = 1 sign. Order number of signs needed in multiples of Std. Pkg.



Foam Mounting Tape - Precut Squares

- Can be used to mount Panduit Rigid Polyethylene signs

Rubber Adhesive Part Number	Acrylic Adhesive Part Number	Thickness In. (mm)	Size In. (mm)	Pieces/Pkg.	Std. Pkg.*
P32W2R1-1X1-24	P32W2A2-1X1-24	0.03 (0.8)	1 x 1 (25 x 25)	24	1 Pkg.
P63W2R1-1X1-24	P63W2A2-1X1-24	0.06 (1.6)			

*Order number of Std. Pkg's required



PAN-ALIGN™ Letters and Numbers

- Use with Sign Panels shown on previous page
- Provide quick, attractive custom identification
- Self-spacing, self-adhesive
- Can be used for indoor/outdoor applications
- Easy-to-read gothic style typeface
- Available individually and in kits
- Resist UV light deterioration



Legend	Part Number		Std. Pkg.*
	1" (25 mm) Height	2" (51 mm) Height	

Kits			
(20) ea. A, E, I, L, N, O, R, S, T (10) ea. All other letters (20) ea. 0 through 9 (5) ea. \$, &, PUNC	PD100-KIT	PD200-KIT	1 Kit

Individually Packaged Numbers and Letters			
A thru Z	PD100-A thru PD100-Z	PD200-A thru PD200-Z	10 Markers
0 thru 9	PD100-0 thru PD100-9	PD200-0 thru PD200-9	10 Markers
& \$ /-. ▶	PD100-AMPR PD100-DOLR PD100-PUNC PD100-AROS	PD200-AMPR PD200-DOLR PD200-PUNC PD200-AROS	10 Markers

*For kits, order the number of kits required in multiples of Std. Pkg. For individual packages, order the number of markers required in multiples of Std. Pkg.

Do-It-Yourself Tags

- Can be written on with Panduit Permanent Marker Pens shown on the following page
- Package consists of 25 tags and 25 cable ties

Part Number	Description	Size In. (mm)	Tags and Ties/Pkg.	Std. Pkg.*
PCT-***-Q	Economical card stock for indoor or temporary use	3.00 x 5.75 (76 x 146)	25	1 Pkg.
PVT-***-Q	GMV5 Semi-rigid plastic tags with 0.38" (10 mm) brass grommet for greater strength and increased durability			

*Order number of Std. Pkg's required

Blank Tags with Preprinted Headers



PCT-113-Q
PVT-113-Q
PCT-174F-Q

Front
PCT-167-Q
PVT-167-Q

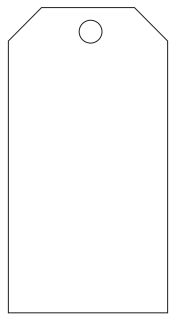
Back
PCT-118-Q
PVT-118-Q

Front
PCT-166-Q
PVT-166-Q

Back
PCT-140-Q
PVT-140-Q

Do-It-Yourself Tags (cont.)

Blank Tags



Color	Card Stock Tag Part Number	Rigid Plastic Tag Part Number
Blue	PCT-232-Q	PVF-232-Q
Green	PCT-182-Q	PVF-182-Q
Orange	PCT-180-Q	PVF-180-Q
Red	PCT-179-Q	PVF-179-Q
White	PCT-94-Q	PVT-94-Q
Yellow	PCT-95-Q	PVT-95-Q
Fluor. Green	PCT-182F-Q	—
Fluor. Orange	PCT-180F-Q	—
Fluor. Red	PCT-179F-Q	—
Fluor. Yellow	PCT-95F-Q	—

Perforated Tags



Color	Card Stock Tag Part Number
White	PCT-228-Q
Yellow	PCT-229-Q
Fluor. Red	PCT-230F-Q
Fluor. Yellow	PCT-231F-Q



Self-Laminating Tags

- Can be written on with Panduit Permanent Marker Pens shown below or used with Panduit **SAFETY EASE™** Software (see [page 1](#))
- Durable polyester overlaminates protect legend
- Available with lamination on one side or both sides
- Package includes one cable tie for each tag

Part Number	Size In. (mm)	Lamination	Tags and Ties Per Pkg.	Std. Pkg.*
PST-1	3.00 x 2.00 (76 x 51)	Front Side Only	10	1 Pkg.
PST-2	3.25 x 5.00 (83 x 127)	Front Side Only	5	
PST-4	3.50 x 5.75 (89 x 146)	Front Side Only	25	
PST-6	3.50 x 5.75 (89 x 146)	Front Side Only	100	
PST-5	3.50 x 5.75 (89 x 146)	Front and Back Sides	25	
PST-7	3.50 x 5.75 (89 x 146)	Front and Back Sides	100	

*Order number of Std. Pkg's required



Permanent Marking Pens

- Permanent, fast-drying ink

Part Number	Description	Ink Color	Std. Pkg.*
PFX-0	Fine Tip Pen	Black	12
PFX-2		Red	12
PX-10	Regular Tip Pen	White	12
PX-0		Black	12
PX-2		Red	12

*Order the number of pens required in multiples of Std. Pkg.



Lockout Regulations Training Video and Handbooks



"A Life Is on the Line" Lockout/Tagout Training Program (English or Spanish)
 This training program is designed to protect your employees and helps put you into compliance with OSHA Lockout/Tagout general training requirements quickly, easily and at low cost.

- This complete package includes:
- Lockout/Tagout Regulations Video
 - 10 Participant Guides with Quizzes
 - 10 Certificate of Completion Cards
 - Leader's Guide complete with Quiz Key
 - Training Log
 - Lockout/Tagout samples
 - OSHA Publication 3120 - Control of Hazardous Energy
 - Panduit Lockout/Tagout Bulletin

Part Number	Description	No. Guides and Cards Included	Std. Pkg.*
PSL-LTP	Complete English Program - VHS Format Video	10	1
PSL-LTPA	Complete English Program - PAL Format Video	10	1
PSL-LTM	Replacement English Participant Guides and Completion Cards	10	1
PSL-LTPS	Complete Spanish Program - VHS Format Video	10	1
PSL-LTMS	Replacement Spanish Participant Guides and English Completion Cards	10	1



Group Lockout Video



"Your Lock is Your Key to Life" Training Program provides thorough instruction on OSHA recommended safety practices and procedures for group lockout — multi-craft / multi-shift lockout operations.

- This complete package includes:
- Group Lockout / Tagout Video
 - Leader's Guide with Quiz Key
 - Training Log
 - 25 Lockout Steps Wallet Cards
 - 10 Participant Guides with Quizzes
 - 10 Certificate of Completion Cards
 - Lockout/Tagout samples
 - OSHA Publication 3120 - Control of Hazardous Energy
 - Panduit Lockout/Tagout Bulletin

Part Number	Description	No. Guides and Cards Included	Std. Pkg.*
PSL-LTPGP	Complete English Program - VHS Format Video	10	1
PSL-LTMGP	Replacement English Participant Guides and Completion Cards	10	1