P-touch®

ELECTRONIC LABELING SYSTEMS

PRO XL

Perfect for:
- Telecom & datacom
- Asset management
- Property management
- Manufacturing
- General office

Customizable Industrial Handheld
Labeling System

Transfer data & designs from your PC to print custom labels anytime, anywhere!

KEY FEATURES:

- Portable and rugged design
- Download custom templates (with a database), and graphics to internal, non-volatile memory
- Prints labels from $1/4''$ to $1''$ wide
- Built-in telecom/datacom templates – wire/cables, patch panels, faceplates
- Makes rotated, vertical and horizontal labels
- Prints industry-standard bar codes
- Uses easy-swap interchangeable TZ tape cassettes
- Includes carrying case and rubber impact guards

brother

At your side.™

Industrial look,
Professional features

Professional features simplify your labeling jobs

Great for On-the-Go use

- *Light weight, vertical handheld design*
- *Rubber impact guards*
- *Adjustable wrist/neck strap*
- *Hard-sided carry case*
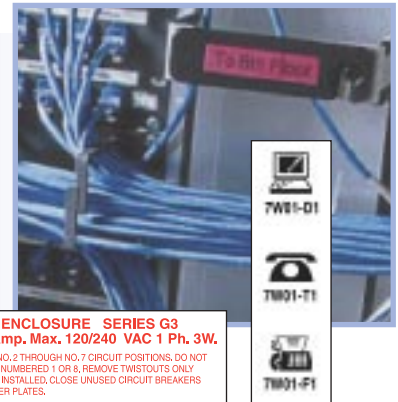- *6 "AA" batteries included*
- *Easy one handed operation*

Commercial/Industrial Users Love

- *Download custom templates (with a database), and graphics to internal, non-volatile memory for printing in the field*
- *Rotated, vertical, and horizontal printing*
- *Makes labels in strips, or one at a time*
- *Built-in telecom/datacom label templates*
- *Built-in alpha-numeric sequencing*
- *Single-step operation to change label types – no retyping necessary*
- *Large built-in library of industrial and office symbols*
- *Prints scannable bar codes in seconds*
- *Quick-swap interchangeable tape cassettes in a wide variety of tape sizes, types and colors*

Handles your most demanding labeling challenges

Telecommunications

- Electrical panels
- Patch panels
- Circuit boards
- Wiring & cabling applications
- Faceplates
- Truck bins
- Company tools

TYPE 1 ENCLOSURE   SERIES G3
MAINS: 100 Amp. Max. 120/240 VAC 1 Ph. 3W.
CAUTION: USE ONLY NO. 2 THROUGH NO. 7 CIRCUIT POSITIONS. DO NOT REMOVE TWISTOUTS NUMBERED 1 OR 8. REMOVE TWISTOUTS ONLY WHEN CIRCUITS ARE INSTALLED. CLOSE UNUSED CIRCUIT BREAKERS OPENINGS WITH FILLER PLATES.

Asset & Property Management

- Bar code labels
- Serial number labels
- Sequential alpha/numeric labels
- Field recording devices
- Shelf/rack identification
- Truck/van keys

Manufacturing

- Safety/warning labels
- Servicing instructions
- Small shelf signage
- Utility cabinets
- Warranty information

Professional labeling
from an industrial labeler.

Download Ready

- **Rubber impact guards and carry case**
- **Built-in telecom/datacom templates and symbols**
- **Rotated, vertical and horizontal printing**
- **Multi-line printing (up to 7 lines)**
- **Scannable industry standard bar codes**
- **Repeat printing up to 99 copies**
- **Auto alpha/numeric sequential label printing**
- **Built-in memory functions**
- **Built-in tape cutter**
- **Flexible ID and Extra Strength Adhesive Tape included**

Transfer data & designs from your PC to print custom labels anytime, anywhere!

Store in your PT-1650's flash memory:
- Database (Access®, Excel®, and others)
- Logos, symbols and graphics
- Customized label templates

Here's how the PT-1650 download feature works:

1. **Prepare** data, graphics and label templates from your PC.
2. **Transfer** the data, via USB, to your PT-1650's memory.
3. **Disconnect** the PT-1650 from your PC.
4. **Create & print custom labels 'on the go'.**

Note: Download feature for customization only. Does not operate as a computer label printer.

PT-1650 Specifications

PRINTING FEATURES

- Prints durable laminated labels (up to 1" wide)
- Prints rotated text/graphics for easy cable/wire wrapping
- Prints up to 7 lines or up to 21 rotated characters, depending on width of tape
- Includes 9 industry standard bar code protocols
- Prints text in 8 sizes and 4 character widths
- Auto sizing, sequential alpha/numeric and repeat printing
- Automatic cable/wire and patch panel label generation
- 180 dpi printing

LABEL-DESIGN FEATURES

- 10 P-touch function keys for downloading and storing customized label templates (with a database) and graphics
- Block formatting for easy entry of patch panel data
- Built-in telecom templates for patch panels, cables, wires and faceplates
- A full selection of telecom/datacom industry symbols
- Special formatting features including alignment and framing

EASE-OF-USE FEATURES

- Easy grip, vertical style machine
- Lightweight, less than 1.5 lbs.
- ABCD/number keyboard
- LCD display: 15 characters x 2 lines
- Uses interchangeable TZ tape cassettes; allows you to switch tape sizes, color and adhesive types in seconds
- Memory to store frequently used label designs created directly from the PT-1650 keyboard
- Industrial tape cutter

CARTON CONTENTS

- PT-1650 Labeling System
- Flexible ID Laminated Tape
- Extra Strength Adhesive Laminated Tape
- User manual
- 6 AA batteries
- Wrist/neck strap
- Protective carrying case
- Rubber impact guards
- CD containing P-touch Editor v3.2 software
- USB cable

SPECIFICATIONS

- Powered by 6 alkaline AA batteries (included) or optional AC adapter (not included)
- One year limited warranty
- Unit dimensions: 4.6" x 3.2" x 9.4" (w, h, d)
- Unit weight: 1.3 lbs. without batteries

System Requirements	
Computer	IBM PC/AT or compatible
Operating system	Microsoft® Windows® 98, 98 SE, Me, 2000 Professional, XP Professional or XP Home Edition
Processor	Pentium 166 MHz or higher (XP Professional and XP Home Edition: Pentium 300 MHz or higher)
Memory	At least 64 MB (XP Professional and XP Home Edition: 128 MB or higher)
Hard disk free space	At least 20 MB (100 MB for full installation)
Monitor	800 x 600 dpi (SVGA)/High Color or higher
USB port	Available
CD-ROM drive	Available

OPTIONAL ACCESSORIES *

- All TZ tapes
- AC adapter (AD-60)

* Requires additional purchase

use only GENUINE brother supplies

P-touch
ELECTRONIC LABELING SYSTEMS

The right tape for the job.

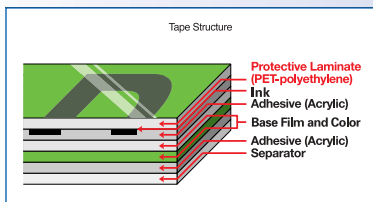## Better performing labels by design …

P-touch TZ Laminated tapes are legendary for their durability and crisp appearance even when subjected to temperatures from -30 to 100 degrees C, water, grease, grime, and industrial solvents like acetone. Our patented lamination process – where the text and graphics are printed under a clear protective laminate – is a critical factor in producing labels that remain clearly readable for years, even in the harshest environments, and resist abrasion and fading.

All available in interchangeable, no-waste TZ cassettes …

With the PT-1650, you can produce durable laminated labels in a variety of colors, in sizes from $1/4$" to 1" wide, and with a variety of adhesives to meet your specific labeling challenges. Changing colors, sizes and adhesive types is as quick and easy as popping in a different TZ tape cassette. It only takes seconds, and there's no waste – the cassette you replace can be used again and again, even in other TZ-compatible labelers that accept the same size, until the tape in that cassette is depleted.

General Tape Features

- **Laminated construction for durability**
- **Single-piece cartridges**

Tape Structure

Protective Laminate (PET-polyethylene)
Ink
Adhesive (Acrylic)
Base Film and Color
Adhesive (Acrylic)
Separator

- **Over 26' long** – Makes 100 three-inch labels

← 26' LONG →

Tape Suggestions:

	Flat Surface		Large Curved Surface (more than 8 mm diameter)		Small Curved Surface (less than 8 mm diameter)	
	smooth	textured	smooth	textured	smooth	textured
Standard Laminated Tapes	●	✖	△	✖	✖	✖
Extra Strength Adhesive Tapes	●	●	●	●	✖	✖
Flexible ID Tapes	△	✖	△	✖	●	●
Tamper Evident Laminated Tape	●	✖	△	✖	✖	✖

● suggested   △ acceptable   ✖ not suggested

Special Applications: For wrapping or flagging cylindrical shaped items, such as wires and cables, we suggest TZFX Flexible ID Laminated Tape. For applying labels to fabric, we suggest TZFA Fabric Iron-on Tape.

Standard Adhesive Tape – Laminated

For Flat, Smooth Surfaces, Indoors and Outdoors

Perfect for labeling:
- File folders and binders
- Name badges
- Small signage

Christopher Jones
General Manager

Sales Out Reports Regions 1 - 4
WARNING HOT
Sales Out Reports Regions 5 - 8

The widest selection of colors and sizes for everyday home, home/office and general business office needs.

Our standard adhesive tapes are designed for flat, smooth surfaces, and resist water, grease or grime – the laminated surface wipes clean – and fading and abrasion. They also withstand temperatures from -30 to 100 degrees C and can be used for indoor and outdoor applications.

26.2' long, unless otherwise noted	1/4 "	3/8 "	1/2 "	3/4 "	1"
BLACK ON WHITE	✓	✓	✓	✓	✓
BLACK ON CLEAR	✓	✓	✓	✓	✓
BLACK ON CLEAR MATTE				✓	
BLACK ON RED		✓		✓	✓
BLACK ON YELLOW			✓	✓	✓
BLACK ON GREEN				✓	
BLACK ON BLUE				✓	
BLACK ON FL. ORANGE*				✓	✓
WHITE ON BLACK	✓	✓	✓	✓	✓
WHITE ON CLEAR			✓	✓	
WHITE ON BLUE				✓	
RED ON WHITE			✓	✓	✓
BLUE ON WHITE				✓	
GOLD ON BLACK			✓	✓	✓

* 16.4' long

Extra Strength Adhesive Tape – Laminated

For Tough Applications

Perfect for labeling:
- Harsh environments
- Painted surfaces
- A variety of plastics
- Textured surfaces

CAUTION
DISCONNECT POWER SUPPLIES BEFORE SERVICING

1/4" Nut
14 - 20 NF Thread Size

Produce labels with stronger adhesive strength than our standard laminated labels.

P-touch Extra Strength Adhesive Tapes are an exciting breakthrough in labeling your most challenging surfaces. Their extraordinary adhesive properties — up to twice as strong as our standard laminated labels — make them ideal for the toughest labeling tasks you face.
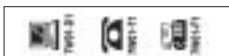
26.2' long	1/4 "	3/8 "	1/2 "	3/4 "	1"
BLACK ON WHITE	✓	✓	✓	✓	✓
BLACK ON CLEAR	✓	✓	✓	✓	✓
BLACK ON YELLOW	✓	✓	✓	✓	✓
WHITE ON CLEAR			✓	✓	✓
BLACK ON MATTE SILVER				✓	✓

Flexible ID Tape – Laminated

Special Adhesive For Bending, Wrapping & Flagging

Perfect for labeling:
- Cable & wire*
- Vials, beakers & test tubes
- Pipes and other round surfaces
- Electrical fittings and connectors*
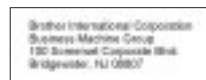
* Not suitable as an electrical insulator

26.2' long	1/4 "	3/8 "	1/2 "	3/4 "	1"
BLACK ON WHITE		✓	✓	✓	✓

Tamper Evident Tape – Laminated

Security Pattern Appears If Removed

Perfect for labeling:
- Computers / electronic devices
- Equipment after calibration
- Furniture & other company property
- Items sealed for security

Brother International Corporation
Business Machines Group
100 Somerset Corporate Blvd
Bridgewater, NJ 08807

26.2' long	1/4 "	3/8 "	1/2 "	3/4 "	1"
BLACK ON WHITE			✓	✓	✓

For P-touch information, call 1-877-4PTOUCH (1-877-478-6824)

At your side.™
brother ®

use only GENUINE brother supplies