



Patent Pending

Spirit® 2100

Portable Printing System

**HellermannTyton**  
A SPIRENT Company

## Spirit 2100 Technical Specifications

- 203 dpi thermal transfer printhead
- NiCad battery charger
- Label tear off
- Weight: 2.5 lbs. — Shipping Weight: 7.5 lbs.
- Maximum label width: 2.0"
- Memory: 68K SRAM, 128 Program Memory, 256K of non-volatile storage
- Chargers available for 120V, 130V, 230V or 100V applications
- 2.0" X 1.5" LCD screen
- Alphanumeric elastomer keypad
- Operating Temperature: +40° F to +122° F (+4° C to +50° C)
- Storage Temperature: -30° F to +160° F (-34° C to +71° C)



### **Ribbon**

The ribbon is supplied in a self-contained cartridge for easy loading.  
*One ribbon per package.*

## **Product Features**

- "What You See Is What You Get" (WYSIWYG) label design and creation. The label will print just like it looks on screen.
- Choose from normal or bold fonts to complete the label design appearance.
- Easily change text sizes: tiny, normal or large text
- Left, right, or center justify text
- Automatically centers text during label editing process.
- Easily import graphic images into the label design
- Print with popular barcode symbologies including Code 39, Code 128 and EAN.
- Vertical print option for patch panels, wall plates, terminal blocks and wire markers.
- Print serial numbers on labels with the "serial" text type. Spirit 2100 will automatically remember the last serial number printed the next time the saved label is used.
- The ribbon is longer than the industry standard which translates into fewer ribbon change-overs.
- Battery powered and a convenient hand strap makes the Spirit 2100 extremely portable and accessible. AC adapter also available.
- Label sizes and user interface upgradable in the field.
- Auto "fill" feature to copy one line of text to all other lines on the label.



### **Vertical Print Option**

Mark patch panels or terminal blocks with the Spirit's vertical print option (when used with a continuous media such as label TAGHTP-336).



## Spirit 2100 Portable Printing System

HellermannTyton's Spirit® 2100 portable printing system is easy to use and features "What You See Is What You Get" (WYSIWYG) label design and creation on a LCD screen that shows the outline of the label. Just type in the text (which is displayed on the screen), choose from several print sizes, and press the print button. It's that simple! The printer automatically detects the label and determines the proper size template for easy editing.

The Spirit 2100 provides fast, high quality, thermal transfer printing for permanent and highly legible label printing. The Spirit 2100 prints on many different types of label materials for wire, cable, and component marking. Self-laminating, white and metalized polyester, and tamper evident materials for calibration and security labeling are available for use with the Spirit system.



### Product Selection

PART NUMBER	DESCRIPTION	WIDTH IN. (MM)	LENGTH IN. (MM)	PKG. QTY.
<b>HT2100</b>	Portable Printing System includes: Spirit® 2100 printer, rechargeable battery and charger, ribbon cartridge, TAGH73-336, printer manual, CD-Rom tutorial, hard shell case, cleaning card, cleaning pen and Spiritlink computer interface software (interface software cable sold separately****)			1
<b>HHIGR**</b>	Standard Ribbon for Spirit Printer	2" (50.8mm)	131" (40mm)	1
<b>HHHST</b>	Self-Laminating Ribbon for Spirit Printer	2" (50.8mm)	131" (40mm)	1
<b>HHDTH***</b>	DTH Ribbon for Spirit Printer	2" (50.8mm)	131" (40mm)	1
<b>BC10*</b>	Battery Charger 120V 60 Hz			1
<b>2100CASE*</b>	Replacement Carrying Case			1
<b>2100CABLE****</b>	RS-232 Interface Cable (optional)			1
<b>RBP1</b>	Battery Pack NiCad (replacement)			1
<b>2100PEN</b>	Cleaning Pen (replacement)			1
<b>TS3003039</b>	Spindle for Label Roll (replacement)			1
<b>TS3003040</b>	Spindle Cap (replacement)			1
<b>2100CARD</b>	Cleaning Card 2" x 6" (replacement)			1
<b>2100AC</b>	AC Power Adapter — USA			1

\* Standard with HT2100 kit

\*\* HHIGR works on all materials

\*\*\* HHDTH can only be used with label materials that have the -DTH extension. This provides superior durability and performance to most chemicals and solvents

## Spirit® 2100 Portable Printing System Labels



### Product Selection

PART NUMBER	MATERIAL	WIDTH OF LABEL IN. (mm)	HEIGHT OF LABEL IN. (mm)	LENGTH OF LABEL IN. (mm)	WIDTH OF LINER IN. (mm)	LABELS PER ROLL
<b>TAGH1-100</b>	100	1.9" (48.26)	.75" (19.05)	3.19" (81.02)	2.025" (51.43)	100
<b>TAGH2-100</b>	100	.5" (12.7)	.5" (12.7)	1.435" (36.5)	.875" (22.22)	250
<b>TAGH2-1004*</b>	100	.5" (12.7)	.5" (12.7)	1.435" (36.5)	.875" (22.22)	250
<b>TAGH3-100</b>	100	1" (25.4)	1" (25.4)	3.75" (95.25)	1.125" (28.57)	100
<b>TAGH4-100</b>	100	2" (50.8)	1.5" (38.1)	5.937" (150.79)	2.125" (53.97)	50
<b>TAGH6-100</b>	100	2" (50.8)	1" (25.4)	3.75" (95.25)	2.125" (53.97)	100
<b>TAGH9-100</b>	100	1" (25.4)	.75" (19.05)	2.25" (57.1)	1.125" (28.57)	100
<b>TAGH9-1004*</b>	100	1" (25.4)	.75" (19.05)	2.25" (57.1)	1.125" (28.57)	100
<b>TAGH10-100</b>	100	2" (50.8)	.75" (19.05)	2.25" (57.1)	2.125" (53.97)	100
<b>TAGH22-100</b>	100	1" (25.4)	.5" (12.7)	1.435" (36.5)	1.125" (28.57)	250
<b>TAGH22-1004*</b>	100	1" (25.4)	.5" (12.7)	1.435" (36.5)	1.125" (28.57)	250
<b>TAGH23-100</b>	100	1" (25.4)	1.5" (38.1)	7.437" (188.89)	1.125" (28.57)	50
<b>TAGH24-100</b>	100	2" (50.8)	.5" (12.7)	1.435" (36.5)	2.125" (53.97)	250
<b>TAGH25-100</b>	100	.75" (19.05)	.5" (12.7)	1.75" (44.45)	.875" (22.22)	175
<b>TAGH26-100</b>	100	.5" (12.7)	.35" (8.8)	.75" (19.05)	.875" (22.22)	500
<b>TAGH51-100</b>	100	1" (25.4)	.35" (8.8)	.75" (19.05)	1.125" (28.57)	500
<b>TAGH95-100</b>	100	1.5" (38.1)	1" (25.4)	3.75" (95.25)	1.625" (41.27)	100
<b>TAGH12-336</b>	336	1.25" (31.75)	.375" (9.52)	NA	1.375" (34.92)	500
<b>TAGH13-336</b>	336	.75" (31.75)	.25" (6.35)	NA	.875" (22.22)	750
<b>TAGH14-336</b>	336	1" (25.4)	.375" (9.52)	NA	1.125" (28.57)	500
<b>TAGH15-336</b>	336	1" (25.4)	.5" (12.7)	NA	1.125" (28.57)	500
<b>TAGH15-3364*</b>	336	1" (25.4)	.5" (12.7)	NA	1.125" (28.57)	500
<b>TAGH16-336</b>	336	.9" (22.86)	.25" (6.35)	NA	1.025" (26.03)	750
<b>TAGH17-336</b>	336	1.5" (38.1)	.25" (6.35)	NA	1.625" (41.27)	750
<b>TAGH27-336</b>	336	1.5" (38.1)	.75" (19.05)	NA	1.625" (41.27)	500
<b>TAGH35-336</b>	336	2.0" (50.8)	.375" (9.52)	NA	2.125" (53.97)	500
<b>TAGH48-336</b>	336	.8" (20.32)	.5" (12.7)	NA	.925" (23.49)	500
<b>TAGH71-336</b>	336	.5" (12.7)	.435" (11.1)	NA	.875" (22.22)	500
<b>TAGH73-336</b>	336	2" (50.8)	1" (25.4)	NA	2.125" (53.97)	250
<b>TAGH73-3362**</b>	336	2" (50.8)	1" (25.4)	NA	2.125" (53.97)	250
<b>TAGH73-3363***</b>	336	2" (50.8)	1" (25.4)	NA	2.125" (53.97)	250
<b>TAGH73-3364*</b>	336	2" (50.8)	1" (25.4)	NA	2.125" (53.97)	250
<b>TAGH73-3365#</b>	336	2" (50.8)	1" (25.4)	NA	2.125" (53.97)	250
<b>TAGH73-3366##</b>	336	2" (50.8)	1" (25.4)	NA	2.125" (53.97)	250
<b>TAGH75-336</b>	336	2" (50.8)	.625" (15.87)	NA	2.125" (53.97)	500
<b>TAGH75-3364*</b>	336	2" (50.8)	.625" (15.87)	NA	2.125" (53.97)	500
<b>TAGH85-336</b>	336	1.25" (31.75)	.25" (6.35)	NA	1.375" (34.92)	750
<b>TAGH86-336</b>	336	2" (50.8)	.25" (6.35)	NA	2.125" (53.97)	750
<b>TAGH88-336</b>	336	1.5" (38.1)	.375" (9.52)	NA	1.625" (41.27)	500
<b>TAGH89-336</b>	336	1.75" (44.45)	.375" (9.52)	NA	1.87" (47.49)	500
<b>TAGH90-336</b>	336	1.5" (38.1)	.5" (12.7)	NA	1.625" (41.27)	500
<b>TAGH90-3364*</b>	336	1.5" (38.1)	.5" (12.7)	NA	1.625" (41.27)	500
<b>TAGH92-336</b>	336	1" (25.4)	.75" (19.05)	NA	1.125" (28.57)	500
<b>TAGH94-336</b>	336	1.5" (38.1)	1.25" (31.75)	NA	1.625" (41.27)	250
<b>TAGHPP-336</b>	336	.625" (15.87)	.333" (8.45)	NA	.875" (22.22)	500
<b>TAGH96-336</b>	336	2" (50.8)	.396" (10.05)	NA	2.125" (53.97)	750
<b>TAGH096-3364*</b>	336	.625" (15.8)	.25" (6.35)	NA	.875" (22.2)	500
<b>TAGH97-336</b>	336	1.875" (47.62)	.25" (6.35)	NA	2" (50.8)	750
<b>TAGH98-336</b>	336	1.9" (48.26)	.375" (9.52)	Non-Adhesive	2.025" (51.43)	250
<b>TAGHTP-336</b>	336	.333" (8.45)	continuous	NA	1.125" (28.57)	37 ft.
<b>TAGH15-409</b>	409	1" (25.4)	.5" (12.7)	NA	1.125" (28.57)	500
<b>TAGH92-409</b>	409	1" (25.4)	.75" (19.05)	NA	1.125" (28.57)	500
<b>TAGH27-799</b>	799	1.5" (38.1)	.75" (19.05)	NA	1.625" (41.27)	500
<b>TAGH73-799</b>	799	2" (50.8)	1" (25.4)	NA	2.125" (53.97)	250
<b>TAGH75-799</b>	799	2" (50.8)	.625" (15.87)	NA	2.125" (53.97)	500
<b>TAGH90-799</b>	799	1.5" (38.1)	.5" (12.7)	NA	1.625" (41.27)	500
<b>TAGH92-799</b>	799	1" (25.4)	.75" (19.05)	NA	1.125" (28.57)	500
<b>TAGH94-799</b>	799	1.5" (38.1)	1.25" (31.75)	NA	1.625" (41.27)	250
<b>TAGH27-840###</b>	840	1.5" (38.1)	.75" (19.05)	NA	1.625" (41.27)	500
<b>TAGH27-843###</b>	843	1.5" (38.1)	.75" (19.05)	NA	1.625" (41.27)	500
<b>TAGH28-DTH</b>	DTH	.8" (20.3)	1.437" (36.5)	NA	.925" (23.4)	500
<b>TAGH73-DTH</b>	DTH	2" (50.8)	1" (25.4)	NA	2.125" (53.97)	250
<b>TAGH75-DTH</b>	DTH	2" (50.8)	.625" (15.87)	NA	2.125" (53.97)	500
<b>TAGH90-DTH</b>	DTH	1.5" (38.1)	.5" (12.7)	NA	1.625" (41.27)	500

\* indicates yellow label \*\* indicates red label \*\*\* indicates orange label # indicates green label ## indicates blue label

### Due to very high bond adhesion of the 840 and 843 label materials only, more frequent cleaning of the label path may be needed to prevent adhesive buildup. Adhesive buildup can prevent the labels from exiting the printer properly. Some ink traces will adhere to the leading adhesive edge of some labels during printing, but are minor and should not detract from functionality. The caution does not apply to any other labels provided for this printer in the standard line of products.

**Label Material Technical Specifications**

Material	100 MATERIAL	336 MATERIAL	409 MATERIAL	799 MATERIAL
<b>Material Name</b>	Self-Laminating Vinyl	White Polyester 	Tamper Evident Vinyl	Metalized Polyester 
<b>Topcoat</b>	Specially formulated for superb ink anchorage	Specially formulated for superb ink anchorage	Specially formulated for superb ink anchorage	Specially formulated for superb ink anchorage
<b>Liner</b>	50#	50#	50#	50#
<b>Temp. Range</b>	-50°F to +200°F (-46°C) (+93°C)	-40°F to +300°F (-40°C) (+149°C)	-40°F to +175°F (-40°C) (+80°C)	-40°F to +300°F (-40°C) (+149°C)
<b>Adhesive Type</b>	Acrylic	Acrylic	Acrylic	Acrylic
<b>Application</b>	For wire and cable	Flat or slightly curved surfaces	Flat or slightly curved surfaces	Flat or slightly curved surfaces
<b>Ribbon</b>	HHIGR or HHHST	HHIGR	HHIGR	HHIGR

**Label Material Technical Specifications**

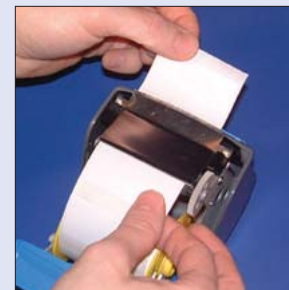
Material	840 MATERIAL*	843 MATERIAL*	DTH MATERIAL**
<b>Material Name</b>	White Polyester	Metalized Polyester	DTH High Density Polyolefin
<b>Topcoat</b>	Specially formulated for superb ink anchorage	Specially formulated for superb ink anchorage	Specially formulated for indelible ink anchorage using DTH ribbon
<b>Liner</b>	50#	50#	50#
<b>Temp. Range</b>	-40°F to +300°F (-40°C) to (+149°C)	-40°F to +300°F (-40°C) to (+149°C)	-40°F to +140°F (-40°C) to (+60°C)
<b>Adhesive Type</b>	Acrylic	Acrylic	Acrylic
<b>Application</b>	For use on powder coated surfaces where permanent marking is needed for asset tracking	For use on powder coated surfaces where permanent marking is needed for asset tracking	Flat or slightly curved surfaces
<b>Ribbon</b>	HHIGR	HHIGR	HHDTH

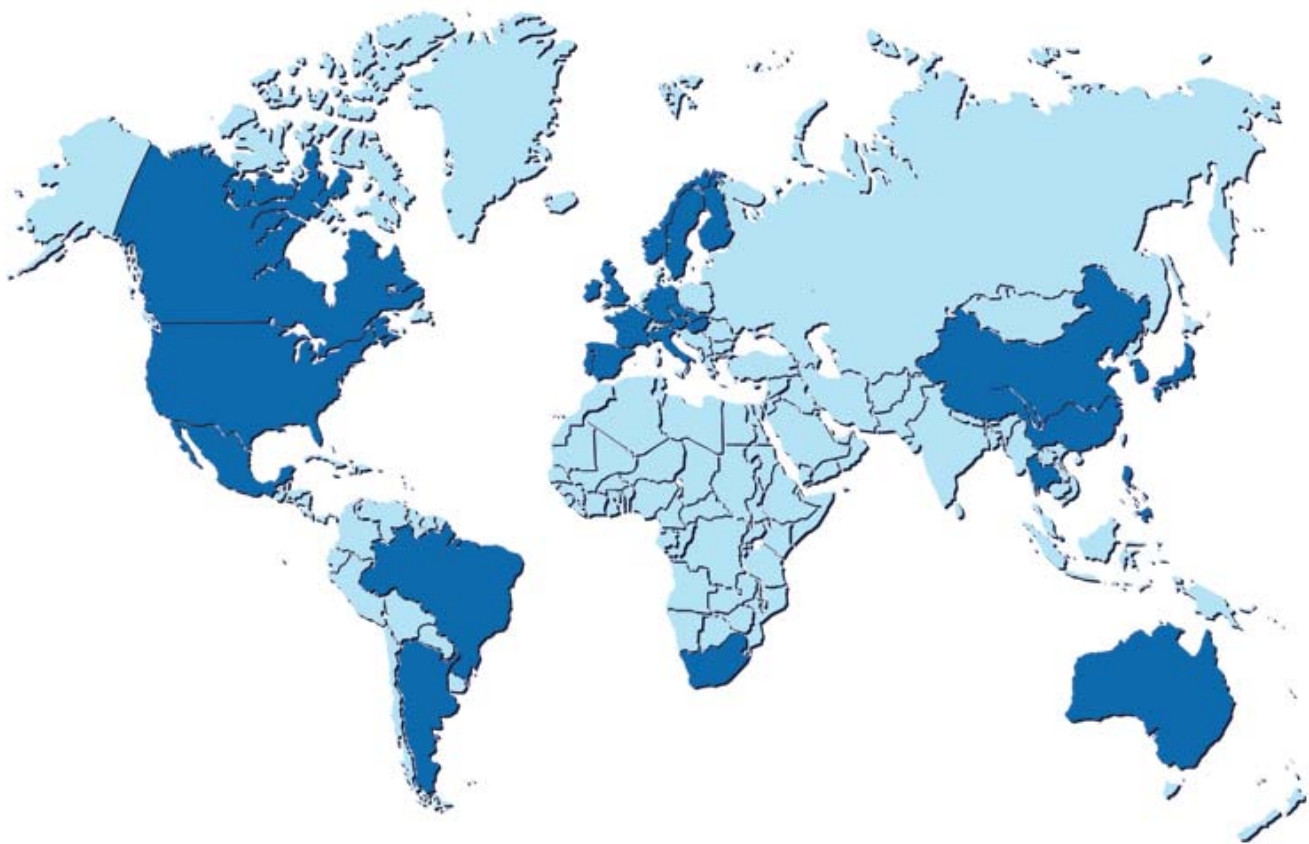
\* Due to very high bond adhesion of the 840 and 843 label materials only, more frequent cleaning of the label path may be needed to prevent adhesive buildup. Adhesive buildup can prevent the labels from exiting the printer properly. Some ink traces will adhere to the leading adhesive edge of some labels during printing, but are minor and should not detract from functionality. The caution does not apply to any other labels provided for this printer in the standard line of products.

\*\* The Durattach (DTH) Label Material will withstand chemicals and solvents when printed with the HHDTHT ribbons only. The HHDTHT ribbon will only work with the DTH label materials and cannot be used with the other labels stocks listed. When using the ribbon and label configuration, printed labels will withstand alcohol, Toluene, Acetone, gasoline, water, ammonia and many other chemicals without degrading the printed text. This print performance is achieved without the need of a clear overlamine film to protect the printed text.

**Label Loading**

Each roll of labels is loaded onto a reusable spindle. Simply drop the label roll into the printer, pull the labels over the top (like loading film into a camera) and close the cover. No need to mechanically feed and align the labels.





## MISSION STATEMENT

**HellermannTyton's mission is to provide innovative solutions,  
with customer satisfaction as our first priority.**

**We aspire, through global leadership and quality products that add value to  
electrical and communication networks, to be the customers' partner of choice.**

**We aim to achieve world class operational excellence for the benefit of our  
customers, our employees and the interaction of our business with the environment.**

**HellermannTyton North American  
Corporate Headquarters**

7930 N. Faulkner Rd, PO Box 245017  
Milwaukee, WI 53224  
Phone: (414) 355-1130, (800) 537-1512  
Fax: (414) 355-7341, (800) 848-9866  
email: [corp@htamericas.com](mailto:corp@htamericas.com)

**A QS9000 and ISO14001 Registered Company**

**HellermannTyton Canada**

Beaver Creek Business Park  
Unit #1, 160 West Beaver Creek  
Richmond Hill, Ontario L4B 1B4 Canada  
Phone: (905) 882-8024, (800) 661-2461  
Fax: (905) 882-1624, (800) 390-3904  
email: [sales@hellermanntyton.ca](mailto:sales@hellermanntyton.ca)

**HellermannTyton Mexico**

Rio Conchos 1757  
Colonia Industrial El Rosario  
Guadalajara, Jalisco, Mexico 44890  
Phone: (3) 659-7020  
Fax: (3) 659-6939  
email: [info@hellermanntyton.com.mx](mailto:info@hellermanntyton.com.mx)

[www.hellermann.tyton.com](http://www.hellermann.tyton.com)

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