

## TT320SM Printer

The HellermannTyton TT320SM printer is a thermal transfer printing system designed for medium to low volume users of HellermannTyton thermal transfer labels and ShrinkTrak. The 300 dot per inch resolution allows for printing of smooth scalable graphics and highly defined characters. With fast printing and little waste, the TT320SM performance allows for time and labor savings.

### Product Features

- 300 dots per inch thermal transfer printer
- Print speed of 1" to 2" per second. (print speeds of up to 4" per second are possible when using the TT320SM printer with HellermannTyton's new Tagprint V2.0 label printing software)
- Prints label lengths up to 11" & 10" with standard memory
- 512K SRAM / 1 MB Flash RAM standard - Upgradable to 1MB SRAM
- Easy-to-load label and ribbon path
- Sturdy metal enclosure
- Internal rewinder standard
- Printer is not supplied with ribbons. Order ribbons separately.
- HellermannTyton labels must be fed through a slot in rear panel of printer from CADDY5.0



### Material Data

Width (W)	<b>7.9</b>
Height	<b>7.0</b>
Depth D (imperial)	<b>8.9</b>
Weight	<b>4</b>
Ventilation	<b>Free Air</b>
Humidity	<b>10% to 95% non-condensing</b>
Operating Temperature	<b>+40 °F to +104 °F (+4 °C to +40 °C)</b>
Storage Temperature	<b>-30 °F to +160 °F (-34 °C to +71 °C)</b>
Minimum label height	<b>0.25"</b>
Minimum-Maximum label width	<b>0.65" to 4.25"</b>

### Printing

- Direct thermal or thermal transfer printing
- Selectable print speeds of 1" to 2" per second
- TT320SM: 300 dpi (dots per inch) print resolution
- IPHC (Intelligent Print Head Control) for high quality printing in all orientations
- Maximum print width: 4.09"
- Printable thickness (including liner): 0.0003" to 0.0100"

### Communications

- RS-232 Serial
- Bi-directional Centronics Parallel
- USB (V1.1)\*
- Reflective and Transmissive Media Sensors
- Auto detectable 90-265 VAC power supply
- FCC, CE, VCCI, C-TIC, CB, VL, NOM, CCC
- Meets FCC Class A and VDE Class B emission standards

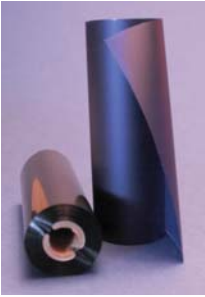
\* USB not compatible with Windows 98se systems. USB connection is fully compatible on Windows XP, NT and 2000.

Product Selection				
Article No.	Part No.	Type	Description	Pkg. Qty.
556-00320	<b>TT320SM</b>	TT320SM	TT320SM Printer	1
556-03022	<b>CADDY5.0</b>	Label Caddy 5.0	Label Caddy	1
556-03018	<b>105910-155</b>	Printhead TT320SM	Printhead	1

Use **Part No.** for ordering and **Type** for specification purposes.

See pages 149 for thermal transfer labels selection .

## TT320SM Thermal Transfer Ribbons



Due to various settings in printers, the different label types and variations in ribbons, each material must have its own specific ribbon. For instance, when ordering HellermannTyton 822 material labels, please specify and use the ribbon that is configured for the 822 stock. In this case, it would be the TT822 ribbon. In addition, this ribbon must be used to have the Underwriters Laboratories recognized mark on the 822 material.\*

## Colored Ribbons

HellermannTyton offers a series of colored ribbons for adding color to thermal transfer labels. Labels can be passed through the printer once or multiple times to add various color combinations.



Product Selection															
Article No.	Part No.	Type	Color	Label Material									Width (W)		Length (L)
				Paper	100	250	795	822	822C	900	DTH	ShrinkTrak	In. (mm)	Ft. (M)	
556-00145	<b>TT822OUTSM</b>	TT822	Black	•		•	• (1,2)	•	•				• (4)	4.33 (110)	4.33 (110)
556-00146*	<b>TT822OUTSM10</b>	TT822	White					• (1,2)	• (1,2)				•	4.33 (110)	4.33 (110)
556-00147**	<b>TT822OUTSM2</b>	TT822	Red	•	•	•	•							4.33 (110)	4.33 (110)
556-00148**	<b>TT822OUTSM3</b>	TT822	Orange	•	•	•	•	•	•					4.33 (110)	4.33 (110)
556-00149**	<b>TT822OUTSM4</b>	TT822	Yellow	•	•	•	•	•	•					4.33 (110)	4.33 (110)
556-00150**	<b>TT822OUTSM5</b>	TT822	Green	•	•	•	•	•	•					4.33 (110)	4.33 (110)
556-00151**	<b>TT822OUTSM6</b>	TT822	Blue	•	•	•	•	•	•					4.33 (110)	110 (4.33)
556-00152**	<b>TT822OUTSM7</b>	TT822	Purple	•	•	•	•	•	•					4.33 (110)	110 (4.33)
556-00153***	<b>TT822OUTSM8</b>	TT822	Silver Gray										•	4.33 (110)	110 (4.33)
556-00163	<b>TTHSTOUTSM</b>	TTHST	Black		°	°							• (4)	4.33 (110)	4.33 (110)
556-00143***	<b>TTDTHOUTSM</b>	TTDTH	Black										• (5)	• (5)	4.33 (110) 242 (74)

Use **Part No.** for ordering and **Type** for specification purposes.

• =Recommended ribbon

° =Acceptable ribbon alternative

(1) UL Recognized material / ribbon combination with HellermannTyton thermal transfer printers

(2) CSA Normal Use approved material / ribbon combination with HellermannTyton thermal transfer printers

(3) CSA Heavy Duty Use approved material / ribbon combination with HellermannTyton thermal transfer printers

(4) Meets ASM-DTL-23053/5 Class I & III, SAE-AS81531 for print performance

(5) Outstanding chemical, abrasion and solvent resistance where UL and CSA requirements are not needed

\* Call HellermannTyton for assistance when using this ribbon.

\*\* 10 ribbon minimum order

\*\*\* See page 142 for more information

## TT1210 Printer

The HellermannTyton TT1210 printer is a thermal transfer printing system designed for medium to high volume users of HellermannTyton thermal transfer labels and ShrinkTrak.



Material Data	
Width (W)	<b>9.5" (241.3)</b>
Height	<b>12" (304.8)</b>
Depth D	<b>16.5" (419.1)</b>
Weight	<b>26.6 lbs.</b>
Ventilation	<b>Free Air</b>
Humidity	<b>10% to 95% non-condensing</b>
Operating Temperature	<b>+40 °F to +104 °F (+4 °C to +40 °C)</b>
Storage Temperature	<b>-30 °F to +160 °F (-34 °C to +71 °C)</b>
Minimum label height	<b>0.5"</b>
Minimum-Maximum label width	<b>1.0" to 4.65"</b>
Supply roll capacity	<b>8" maximum outside diameter</b>
Internal rewind capacity	<b>5" maximum</b>

### Product Features

- 203 dots per inch thermal transfer printer
- Print speed of 2" to 6" per second
- Prints label lengths up to 11" with standard memory configuration
- 256K SRAM / 512K Flash RAM standard
- Upgradable to 512K SRAM / 1MB Flash RAM
- Easy-to-load label and ribbon path
- Sturdy metal enclosure
- Internal rewinder standard
- Printer is not supplied with ribbons. Order ribbons separately.
- ShrinkTrak™ and fanfold labels must be fed through a slot in rear panel of printer

### Printing

- Direct thermal or thermal transfer printing
- Selectable print speeds of 2" to 6" per second
- IPHC (Intelligent Print Head Control) for high quality printing in all orientations
- Maximum print width: 4.09"
- Printable thickness (including liner): 0.0025" to 0.0100"

### Communications

- RS-232C at 1,200 to 19,200 baud
- XON/XOFF, CTS/DNR handshaking
- Programmable 7 or 8 bit data length, 1 or 2 stop bits, selectable parity
- Power 110/220 VAC ± 10% single phase 60/50 Hz at 5 amps maximum
- Listed by Underwriters Laboratories
- Meets CSA and TUV-GS safety standards
- Meets FCC Class A and VDE Class B emission standards

Product Selection				
Article No.	Part No.	Type	Description	Pkg. Qty.
556-01210	<b>TT1210</b>	TT1210	TT1210 Printer	1
556-03021	<b>CCTT45</b>	TT Cleaning Card CCTT45	Cleaning Card	1
556-03019	<b>105902-142</b>	Print head TT1210	TT1210 Printhead	1

Use **Part No.** for ordering and **Type** for specification purposes.

See pages 149 for thermal transfer label selection

## TT1210 Thermal Transfer Ribbons

Due to various settings in printers, the different label types and variations in ribbons, each material must have its own specific ribbon. For instance, when ordering HellermannTyton 822 material labels, please specify and use the ribbon that is configured for the 822 stock. In this case, it would be the TT822 ribbon. In addition, this ribbon must be used to have the Underwriters Laboratories recognized mark on the 822 material.\*



### Colored Ribbons

HellermannTyton offers a series of colored ribbons for adding color to thermal transfer labels. Labels can be passed through the printer once or multiple times to add various color combinations.

#### Product Selection

Article No.	Part No.	Type	Color	Label Material									Width (W)		Length (L)	
				Paper	100	250	795	822	822C	900	DTH	ShrinkTrak	In. (mm)	Ft. (M)		
556-00104	<b>TT100OUT</b>	TT100	Black	•	•	•	•	•	•			°	4.33 (110)	984 (300)		
556-00161	<b>TT822OUT8</b>	TT822	Silver Gray	•		•	• (1,2)	• (1,2)	•			•	4.33 (110)	984 (300)		
556-00154*	<b>TT822OUT10</b>	TT822	White									•	4.0 (101.6)	984 (300)		
556-00155**	<b>TT822OUT2</b>	TT822	Red	•	•	•	•	•	•				4.0 (101.6)	984 (300)		
556-00156**	<b>TT822OUT3</b>	TT822	Orange	•	•	•	•	•	•				4.0 (101.6)	984 (300)		
556-00157**	<b>TT822OUT4</b>	TT822	Yellow	•	•	•	•	•	•				4.0 (101.6)	984 (300)		
556-00158**	<b>TT822OUT5</b>	TT822	Green	•	•	•	•	•	•				4.0 (101.6)	984 (300)		
556-00159**	<b>TT822OUT6</b>	TT822	Blue	•	•	•	•	•	•				4.0 (101.6)	984 (300)		
556-00160**	<b>TT822OUT7</b>	TT822	Purple		•	•	•	•	•				4.0 (101.6)	984 (300)		
556-00162	<b>TTHSTOUT</b>	TTHST	Black		°	°						• (4)	4.0 (101.6)	984 (300)		
556-00144***	<b>TTDTHOUT</b>	TTDTH	Black								• (5)	• (5)	4.0 (101.6)	984 (300)		
556-00106	<b>TT900OUT</b>	TT900	Black		• (5)	• (5)	• (5)	• (5)	• (5)	• (5)			4.0 (101.6)	984 (300)		

Use **Part No.** for ordering and **Type** for specification purposes.

\* Call HellermannTyton for assistance when using this ribbon.

\*\* 10 ribbon minimum order

\*\*\* See page 142 for more information

• =Recommended ribbon

° =Acceptable ribbon alternative

- (1) UL Recognized material / ribbon combination with HellermannTyton thermal transfer printers
- (2) CSA Normal Use approved material / ribbon combination with HellermannTyton thermal transfer printers
- (3) CSA Heavy Duty Use approved material / ribbon combination with HellermannTyton thermal transfer printers
- (4) Meets ASM-DTL-23053/5 Class I & III, SAE-AS81531 for print performance
- (5) Outstanding chemical, abrasion and solvent resistance where UL and CSA requirements are not needed