



## Thermal transfer printer

### • TrakMark DS, Double Sided

TrakMark DS is a heavy duty thermal transfer printer designed to print on both sides of a marker at the same time. It is possible to print the same text on both sides of a marker or print different texts on each side.

The ability to print on two sides at the same time represents a labour cost saving of 50% as the consumables do not need to be printed twice. As important as labour savings are, accuracy and the integrity of the print is of utmost importance. The printed mark is transferred to both sides of the marker at the same time and so gives you 100% text accuracy.

Tagprint Pro, HellermannTyton's intuitive and powerful label creation and printing software, has been designed to enable a customer to either print the same text on both sides or independent text on each side.



TrakMark DS printer.

#### Thermal Transfer Printers TrakMark DS

<b>Print Method</b>	Thermal Transfer
<b>Print Head Type</b>	300 dpi, flat type
<b>Print Speed</b>	30, 40, 50, 75, 100, 125 mm/s
<b>Max. Print Width</b>	107.95 mm
<b>Maximum Print Length</b>	2000 mm
<b>Printer Interfaces</b>	RS232 C, USB 2.0, Ethernet 10/100 Base T
<b>Supported Barcodes, Printer</b>	Standard, 2D
<b>L x H x W</b>	554 x 395 x 248
<b>Printer Memory</b>	64 MB RAM
<b>Weight (Kg)</b>	21 kg

#### Technical Table

Article-No.	Type
556-05000	TrakMark DS
556-04024	P4000 Perforator
556-04025	S4000 Cutter

Subject to technical changes.

#### Recommended Media

<b>Supported Consumables</b>	<b>Shrinkable Wire Markers</b> Continuous Tubing – TLFx, TULT, TCGT <b>Cable Bundle Tags</b> Ladder Style – TIPTAG VA
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## Thermal transfer printer

### • TT4000+

HellermannTyton's premium printer is specifically designed for medium and heavy duty industrial applications. The 300 dpi print head fulfils all standard requirements for printing bar codes, warning signs, logos and written information.

Optional premium quality accessories such as a perforator, cutter, and external reel holder are designed to work seamlessly with the printer and will suit the most demanding needs.

The TT4000+ print accuracy, consistency, speed, and power is the best in it's class. Printing high definition graphics such as 2d barcodes, standard bar codes, numbers and text on adhesive labels, thermoplastics such as heat shrink and TIPTAG is easily done.

Print speeds up to 125mm per second (5" per second) are possible dependent upon the material you wish to print.

Standard adjustments are carried out with the on-board tool and this ensures operator down time is kept to a minimum.

The exceptionally durable print head is of the highest quality and as such has a warranty of 24 months or 50km (whichever comes first) in Thermal Transfer Mode.

Creation of professional looking industrial identification is simplified by the use of HellermannTyton's label creation software Tagprint Pro 2. The software is both intuitive enough to quickly create basic printing and has enough features to satisfy the most demanding customer needs.



TT4000+ series printer.

#### Thermal Transfer Printers TT4000+ 300dpi, and TT420+

<b>Print Method</b>	Thermal Transfer
<b>Print Head Type</b>	300 dpi, flat type
<b>Print Speed</b>	125 mm/sec.
<b>Max. Print Width</b>	105.6 mm
<b>Maximum Print Length</b>	1000 mm
<b>Printer Interfaces</b>	Serial RS 232 C, USB 2.0, Ethernet 10/100 Base T, LPD, DHCP, FTP, SMTP, SNMP, NTP
<b>Supported Barcodes, Printer</b>	Standard, 2D
<b>L x H x W</b>	446 mm x 274 mm x 242 mm
<b>Printer Memory</b>	2 MB RAM
<b>Weight (Kg)</b>	9 kg

#### Recommended Media

<b>Supported Consumables</b>	<b>Shrinkable Wire Markers</b> Continuous Tubing – TLFx, TULT, TCGT, ShrinkTrak
	<b>Cable Bundle Tags</b> Ladder Style – TIPTAG VA
	<b>Self Laminating Wire Markers</b> Adhesive Labels - Helatag 320, 322, 1209
	<b>Asset Labelling</b> Adhesive Labels - Helatag 321, 823, 917, 951, 1203, 1204, 1205, 1206, 1207, 1208, 1209, 1210, 1211, 1212, 1213

Technical Table	
Article-No.	Type
556-04008	TT4000+UK
556-04024	P4000 Perforator
556-04025	S4000 Cutter

Subject to technical changes.



**For problem-free printing we recommend Tagprint Pro, page 547.**



## Thermal transfer printer

### • TT420+ Entry Level Printer

The TT420+ is an entry-level thermal transfer printer suitable for small to medium volume print runs. The printer is specifically designed to run HellermannTyton's standard range of materials (see supported media).

Its' robust double-walled cover protects the inner mechanism against dust and external damage and is equipped with a high quality long-life thermal print head which can print up to 25 km of adhesive labels.

As the TT420+ is compact and light, it can be installed immediately in any convenient place and can also be easily moved from workstation to workstation.

Creation of professional looking industrial identification is simplified by the use of HellermannTyton's label creation software Tagprint Pro. The software is both intuitive enough to quickly create basic printing and has enough features to satisfy the most demanding customer needs.

### Application

The TT420+ is virtually limitless when it comes to suitable applications. It can be used for identification of goods in the logistics area and marking of cables in the electrical industry.



Thermal transfer printer (TT420+).

Thermal Transfer printer TT420+	
<b>Print Method</b>	Thermal Transfer
<b>Print Head Type</b>	300 dpi, flat type
<b>Print Speed</b>	up to 76 mm/sec.
<b>Max. Print Width</b>	108 mm
<b>Maximum Print Length</b>	609 mm
<b>Printer Interfaces</b>	Serial- Parallel port, USB
<b>Supported Barcodes, Printer</b>	Standard and 2D
<b>L x H x W</b>	314 mm (L) x 188 (H) x 213 (W)
<b>Printer Memory</b>	2 MB RAM
<b>Weight (Kg)</b>	2.8 kg

Recommended Media	
<b>Supported Consumables</b>	<b>Shrinkable Wire Markers</b> Ladder Style – ShrinkTrak <b>Cable Bundle Tags</b> Ladder Style – TIPTAG VA <b>Self-laminating Wire Markers</b> <b>Adhesive Labels –</b> Helatag 320, 322, 1209 <b>Asset Labeling</b> Adhesive Labels - Helatag 823, 1203, 1204, 1205, 1206, 1208, 1210, 1211, 1212, 1213,

#### Technical Table

Article-No.	Type
556-00420	TT420+

The thermal transfer technology is ideally suited for precise printing results of bar codes or graphical icons



Use this selection matrix to find the right combination of material, ribbon and labels to suit your application.

Label material	Resistance to	Smudgeproof	scratchproof	Partly smudgeproof	Oils / benzenes	Alcoholic solvents	etching	approved	TT ribbon	Application
		■	■	■	■	■	■	■		
1210/1211/1212/1213		■							TT932DOUT	Machinery: Control boxes, Switchgear cabinets
		■	■			■			TT940DOUT	
		■	■		■				TT822OUT	Rail engineering: Control boxes
1204		■	■			■			TT940DOUT	Packaging, Aviation, Aerospace, Rating plates
		■	■		■			■	TT822OUT	Automotive: Brake and Air Conditioning cables in Engine, Compartment, Electronics, Temp. Sensors, Rating plates
		■	■		■	■			TTDTHOUT	
		■							TT932DOUT	Machinery: Control boxes, Switchgear cabinets
823/1206/1207		■							TT932DOUT	Electromotors (rotor/stator, production marking)
		■	■			■			TT940DOUT	Packing, Electronics: Component marking, EPROM protection,
		■	■		■			■	TT822OUT	Switchgear cabinets; Warning signs
		■	■		■	■			TTDTHOUT	Compartment, Electronics, Temp. Sensors, Rating plates
1203/951		■	■			■			TT940DOUT	Electronics: Rating plates;
		■	■		■			■	TT822OUT	Automotive: Rating plates (KBA-approved)
		■	■		■	■			TTDTHOUT	
		■							TT932DOUT	Machinery: Control boxes, Switchgear cabinets
1209/320/322				■					TT896DOUT	General cable marking
		■							TT932DOUT	Rail eng.: Power cables, Fibre Optic cables
		■	■			■			TT940DOUT	Telecoms: ADSL/HF cabling
		■	■		■				TT822OUT	Electronics: Cable printing
1208		■	■						TT822OUT	Electronics: Seal identification
		■							TT932DOUT	Rail eng.: Power cables, Fibre Optic cables
1205/321/917		■	■		■				TT822OUT	Electronics: Component marking
		■							TT932DOUT	Rail eng.: Power cables, Fibre Optic cables
		■	■			■			TT940DOUT	Telecoms: ADSL/HF cabling
ShrinkTrak		■	■		■	■			TTDTHOUT	Print performance on expanded and recovered markers for military cables and harnesses to MIL-STD-202G (method 215J)
		■	■		■	■	■		TTRC+	
				■					TT822OUT8	Grey overprint giving good contrast on dark materials
TULT / TCGT				■					TTRW	White overprint giving excellent contrast on dark materials
		■	■		■	■			TTDTHOUT	Print performance on expanded and recovered markers for military cables and harnesses to MIL-STD-202G (method 215J)
		■	■		■	■	■		TTRC+	
TIPTAG				■					TT822OUT8	Grey overprint giving good contrast on dark materials
				■					TTRW	White overprint giving excellent contrast on dark materials
		■	■		■	■			TTDTHOUT	Excellent print clarity and very good smudge resistance
TLFX / TIPTAG VA		■	■		■	■			TTRC+	Excellent smudge resistance and very good print clarity
		■	■		■	■			TTDTHOUT	Excellent print clarity and very good smudge resistance



### Thermal Printer Ribbons for adhesive labels

- **TT822 - Smudge, Scratch, Oil and Benzene Resistant**

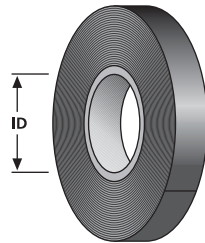
To ensure the high quality and permanence of the print, there are various ribbons for printing on labels available.

The ribbons are attuned to the various label materials to reach the high quality print matching the industrial needs.



Ribbons for printing on labels.

**Certifications please see Appendix.**



**ID: The standard inside core diameter is 25.4 mm. Other sizes are available on request.**

Technical Table

Article-No.	Type	Recommended Material	Colour	Dimensions of Spool	
				Width (W)	Length (L)
Ribbons for printing labels					
556-00111	<b>TT822DOUT 60MM</b>	TIPTAGVA/320/321/823/917/951/1203/1204/1205/1206/1207/1208/1209/1210/1211/1212/1213	Black (BK)	60.0	300 m
556-00101	<b>TT822DOUT 110MM</b>	TIPTAGVA/320/321/823/917/951/1203/1204/1205/1206/1207/1208/1209/1210/1211/1212/1213	Black (BK)	110.0	300 m
556-00124	<b>TT932DOUT 30MM</b>	320/322/1209	Black (BK)	30.0	300 m
556-00117	<b>TT932DOUT 85MM</b>	320/322/1209	Black (BK)	85.0	300 m
556-00118	<b>TT932DOUT 102MM</b>	320/322/1209	Black (BK)	102.0	300 m
556-00119	<b>TT896DOUT 85MM</b>	1209	Black (BK)	85.0	300 m
556-00120	<b>TT896DOUT 102MM</b>	1209	Black (BK)	102.0	300 m
556-00121	<b>TT940DOUT 85MM</b>	823/917/1203/1204/1205/1206/1207	Black (BK)	85.0	300 m
556-00122	<b>TT940DOUT 102MM</b>	823/917/1203/1204/1205/1206/1207	Black (BK)	102.0	300 m
556-00140	<b>TTDTHOUT 60MM</b>	TIPTAG VA/320/321/823/917/951/1203/1204/1205/1207	Black (BK)	60.0	300 m
556-00141	<b>TTDTHOUT 100MM</b>	TIPTAG VA/320/321/823/917/951/1203/1204/1205/1207	Black (BK)	100.0	300 m

All dimensions in mm. Subject to technical changes.

Other ribbon qualities and colours on inquiry.



### Thermal Printer Ribbons for Heat Shrink

- **TTRW - Limited Smudge Resistance**

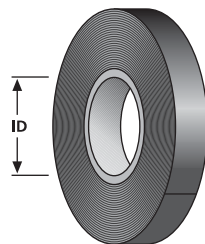
The thermal transfer print technology is based on heating up certain dots in the print head. This transfers the ink very precisely from the ribbon onto the surface of the printed material.

- **Recommended ribbons for printing on shrinking sleeve**

The range of ribbons has been designed to give maximum print clarity and performance. Material can be handled immediately after printing, enabling the printed tubing to be immediately applied without a secondary mark stabilising operation.



Ribbons - TTRA, TTRC+.



**ID: The standard inside core diameter is 25.4 mm. Other sizes are available on request.**

Technical Table

Article-No.	Type	Colour	Width (W)	Quantity per pc
Ribbons for printing on heat shrink tubing				
556-00125	<b>TTRW 30MM</b>	White (WH)	30.0	300 m
556-00114	<b>TTRC+ 30MM</b>	Black (BK)	30.0	300 m
556-00139	<b>TTDTHOUT 40MM</b>	Black (BK)	40.0	300 m
556-00115	<b>TTRC+ 60MM</b>	Black (BK)	60.0	300 m
556-00140	<b>TTDTHOUT 60MM</b>	Black (BK)	60.0	300 m
556-00103	<b>TTRC+ 100MM</b>	Black (BK)	100.0	300 m
556-00133	<b>TTRW 100MM</b>	White (WH)	100.0	300 m
556-00161	<b>TT822OUT8 110MM</b>	Silver Grey (SRGY)	110.0	300 m

All dimensions in mm. Subject to technical changes.



### Thermal transfer printer accessories

#### • S4000 Cutter

The S4000 Cutter allows users to cut tubing and continuous label material at a length set by the operator. The cutter is powerful enough to neatly cut through materials up to 500g/m<sup>2</sup>.

The plug and play cutter is attached with one Allen screw and you can use the Allen key provided with every printer to easily and quickly attach it to the front of the printer. Ensure the machine is switched off, fix the cutter, and the printer will automatically recognise and initialise the unit.

The cutter tray ensures the cut pieces are collected in one place; this is especially useful when cutting small diameter tubes.



Cutter S4000 for both TT4000+ and TrakMark DS.



Perforator P4000 for both TT4000+ and TrakMark DS.

#### • P4000 Perforator

The P4000 perforator can be used on materials such as heat shrink tubing and adhesive label stock. The serrated edges of the perforator will give you an easy-to-tear perforation across the width of the tubing or continuous adhesive label you wish to print and perforate.

The plug and play perforator is attached with one Allen screw and you can use the Allen key provided with every printer to easily and quickly attach it to the front of the printer. Ensure the machine is switched off, fix the perforator, and the printer will automatically recognise and initialise the unit.



#### Technical Table

Article-No.	Type
556-04025	S4000 Cutter
556-04024	P4000 Perforator
556-03011	CUTTER TRAY FOR S4000



## Labelling Software

### • Tagprint Pro

#### Features and Benefits

Tagprint Pro label creation and printing software is powerful, multi-functional and extremely easy to use. Used to provide solutions for industrial identification, Tagprint Pro speeds production and offers many options for a wide variety of labelling requirements.

“What You See Is What You Get” (WYSIWYG) label creation, bar coding, serialisation, label sets, wire lists, graphics and text choices are just some capabilities of Tagprint Pro software.

Tagprint Pro’s functionality and simplicity of use makes it a market leading label creation software package and the ideal program for your printing needs.

Tagprint Pro can be utilised with HellermannTyton's wide array of label options including laser, ink jet, dot matrix and thermal transfer printable labels.



Tagprint Pro Label Creation Software.

#### New Features for Version 2.0

- Alphanumeric sequences
- Print to multiple printers at one time
- “Print later” feature allows user to save jobs in queue and print all at one time
- Print faster
- Connect or import directly from other databases including Excel, Access, text files
- More bar code types
- Inverse, flip, and mirror image options for graphic images
- Multi-lingual
- Print log available
- Manually adjust font size to 1/10 of a point
- Customize height and width of characters
- Customize line spacing
- Compatible with all Tagprint Pro version 1.0 files
- And much more!

#### System Requirements

- IBM compatible (Pentium is recommended)
- Operating system must be Windows 98se, ME, NT4.0, 2000 or XP
- 24 MB of RAM
- 16 MB of available hard-disk space

#### Technical Table

Article-No.	Type	Media	Pack Cont.
556-00049	Tagprint Pro2.0	CD-ROM	1