https://www.phoenixcontact.com/us/products/5145384



## Ink ribbon - THERMOMARK-RIBBON 110 - 5145384

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Ink ribbon, Length: 300 m, Width: 110 mm, Color: black

## **Key Commercial Data**

Packing unit	1 STK
GTIN	4 046356 107471
GTIN	4046356107471
Weight per Piece (excluding packing)	360.000 g
Custom tariff number	96121010
Country of origin	China

## Technical data

### **Dimensions**

Length (b)	300.00 m
Length in m	300 m
Width (a)	110.00 mm

### Ambient conditions

Recommended storage conditions	5-35 °C / 30-85 % relative humidity.

### General

olor	black
------	-------

### Classifications

### eCl@ss

eCl@ss 4.0	24190105
eCl@ss 4.1	24190105
eCl@ss 5.0	19029102

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## Ink ribbon - THERMOMARK-RIBBON 110 - 5145384

## Classifications

## eCl@ss

eCl@ss 5.1	19029102
eCl@ss 6.0	27141137
eCl@ss 7.0	27141137
eCl@ss 8.0	19140611
eCl@ss 9.0	19140611

### **ETIM**

ETIM 2.0	EC000761
ETIM 3.0	EC000761
ETIM 4.0	EC001675
ETIM 5.0	EC001675

## **UNSPSC**

UNSPSC 6.01	43172501
UNSPSC 7.0901	43212107
UNSPSC 11	43172501
UNSPSC 12.01	43212107
UNSPSC 13.2	43211612

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# Printing systems - MARKING system

The right printer for every application. We can provide a wide range of printing systems for your terminal, conductor, cable, and device marking requirements. The BLUEMARK CLED high-speed printer with innovative UV technology prints materials in UniCard format quickly and easily.

The printers in the THERMOMARK series are renowned for their proven maintenance-free printing method and maximum user-friendliness. They can be used to print markers in a variety of materials and print formats, as well as labels and shrink sleeves, in outstanding quality.

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Phoenix Contact is a competent partner for control cabinet and system engineering. In this context, we aim to supplement our products with services, hardware, and software to make the planning and production of systems as efficient as possible.

MARKING system from Phoenix Contact represents an integrated labeling system from planning right through to the finished printed label. In addition to the wide range of marking materials, the marking range also includes the CLIP PROJECT software as well as various printers.

The data required for labeling is sent to the printers by the CLIP PROJECT planning software, which is supplied as standard. This controls the printers and facilitates the creation of marking data by allowing data to be imported directly from circuit diagrams.

Phoenix Contact provides a variety of printing systems:

- BLUEMARK CLED, high-speed printer with UV technology for labeling UniCard formats
- THERMOMARK CARD, thermal transfer printer for labeling UniCard and UniSheet formats
- THERMOMARK ROLL, thermal transfer printer for labeling material off the roll and continuous media
- THERMOMARK ROLL X1, thermal transfer printer for large quantities
- THERMOMARK W2, thermal transfer printer for double-sided labeling and perforation of continuous shrink sleeves
- CMS-P1-PLOTTER and P1 ENGRAVING UNIT to extend plotters for engraving

A comprehensive range of materials for marking terminal blocks, conductors, cables, and devices is available for each of the printing systems provided. As a result, each printing system represents a self-contained solution capable of performing all marking tasks in and around the control cabinet. To ensure that you benefit from consistently high levels of marking quality, all the materials offered are tailored to the devices concerned and undergo extensive testing.



The BLUEMARK CLED uses the latest UV technology for labeling. This makes the markers instantly wipe-resistant and ready for immediate use. The fast printing technology enables 10,000 labels to be processed per hour. Thanks to the LED technology, the printer does not require a warm-up time, is environmentally friendly, and is also very quiet.



With the new THERMOMARK CARD PLUS thermal transfer printer, you can use a segmented ink ribbon to create four-color marking labels. You can create warning instructions, prohibition signs, mandatory signs, hazardous substances labels according to the Ordinance on Hazardous Substances, and combi labels easily and with excellent quality. The low weight and compact design of this new printer mean that it can also be used as a portable solution.



The new THERMOMARK CARD thermal transfer printer can be used to print marking materials supplied in card format. It offers you a really easy way to produce terminal, conductor, cable, and device markings of incredibly high quality. The low weight and compact design of the new printer mean that it can also be used as a portable solution wherever it is needed.



The THERMOMARK ROLL thermal transfer printer has been designed for printing material off the roll and continuous media. You can easily create high-quality printed labels, markers, and shrink sleeves. The compact printer is also suitable for mobile use. The THERMOMARK ROLL X1 is particularly suitable for labeling large quantities.



The THERMOMARK W2 has been specially developed for the double-sided printing and perforation of continuous WMS shrink sleeves. Double-sided labeling ensures optimum legibility on conductors and cables. The special construction of the guide elements ensures easy handling when inserting the sleeve.



Apart from label strips and UniCard materials, the CMS-P1-PLOTTER can also be used to label sheet materials. Its integrated pen station facilitates handling and helps prevent the pens from drying out. The CMS-P1-PLOTTER can be converted into an engraving unit quickly and easily by swapping the plotter head for the engraving device.

### **BLUEMARK CLED**



## **MARKING** system

The new BLUEMARK CLED makes labeling standardized UniCard material for terminal blocks, conductors, and device marking as easy as printing on paper.

The printer receives labeling data directly from your CAE system via the CLIP PROJECT central planning and marking software.



### Simple operation

- Order-specific printing, thanks to large exchangeable magazine for up to 40 marker sheets
- Printing can be rotated by 180° as required, thanks to automatic material detection
- The front feed enables individual sheets to be labeled regardless of how the magazine is assembled



**UV LED technology** 

Dimensions	
	[mm]
General data	
Temperature range Print method	[°C]
Volume	
Pressure capacity	
Interfaces	
Power supply	[V]
Weight	[kg]
Operating systems	
Power consumption	[W]

escription	Color

Printer with solvent-free LED UV technology, including CLIP PROJECT advanced software, collection container for 20 sheets, CD with multilingual user manual, English/German user manual, driver and firmware, European and US power cable, USB cable

Set, consisting of: 1 x BLUEMARK CLED, Order No. 5147999, 1	Х
MARKING NOTEBOOK, CLIP-PROJECT PROFESSIONAL	

With German operating system and German keyboard gray
With English operating system and English key-

Accommodating box, in conjunction with the BLUEMARK CLED-MAG 40, for accommodating 90 UC or UCT sheets



### **Easy operation**

- Thanks to large color touch screen
- Direct entry of data and commands
- Clear symbols and plain text messages
- Ready to print as soon as device is switched on
- Language selection via touchscreen menu



## CLED – compact UV LED printing technology

Printing fluid is exposed to UV light which is the basis of our quick-dry printing concept. This light is generated with high intensity using 24 LEDs on a surface of 1 cm<sup>2</sup>.

- Excellent printing quality
- No drying time
- High wipe and abrasion resistance
- Excellent resistance to chemicals
- Environmentally friendly, as solvent-free system

Fluid cartridge, replacement, 20 ml printing fluid, black

### Exchangeable magazine,

For accommodating 20 UC or UCT sheets

For accommodating 40 UC or UCT sheets

#### Compartment

For accommodating 20 UC or UCT sheets

Transport case, with aluminum edges, for printer and accessories

Magazines for labeling aluminum markers

#### Notes

An application video can be found in the download area for the relevant product on our website at www.phoenixcontact.net/products.







Printing set for mats



**Accomodating box** 

Technical data			Technical data		Technical data		nnical data	
Width	Length	Height	Width	Length	Height	Width	Length	Height
480	500	330	480	500	330	400	470	160
5 35			5 35			-		
UV LED technology		UV LED technology		-				
20 ml		20 ml		-				
Approx. 10000 markers/h (UC-TMF 4 with 2 characters/marker)		Approx. 10000 markers/h (UC-TMF 4 with 2 characters/marker)		-				
10/100 Mb <sub>l</sub>	ps Ethernet / USB	2.0	10/100 Mb	ps Ethernet		-		
100 240 / 50 Hz 60 Hz		100 240 / 50 Hz 60 Hz		-				
16		16		-				
MS Windows XP SP3, MS Windows Vista, MS Windows 7 (32/64-bit), MS Windows 8 (32/64-bit)		MS Windows XP SP3, MS Windows Vista, MS Windows 7 (32/64-bit), MS Windows 8 (32/64-bit)		-				
7/			7/			_		

Ordering data			Ordering dat	a		Ordering data		
Туре	Order No.	Pcs. / Pkt.	Туре	Order No.	Pcs. / Pkt.	Туре	Order No.	Pcs. / Pkt.
BLUEMARK CLED	5147999	1						
DEULWARK CLED	3147999							
			BLUEMARK CLED SET	5147400	1			
			BLUEMARK CLED SET EN	5147401	1			
						BLUEMARK CLED-BASE	5146669	1
Accessories	;		Accessories	\$		Accessories	\$	
BLUEMARK CLED-FLUID-CARTR.	5146662	1	BLUEMARK CLED-FLUID-CARTR.	5146662	1			
BLUEMARK CLED-MAG 20 BLUEMARK CLED-MAG 40	5146655 5146668	1	BLUEMARK CLED-MAG 20 BLUEMARK CLED-MAG 40	5146655 5146668	1			
BLUEMARK CLED-STACKER 20	5146656	1	BLUEMARK CLED-STACKER 20	5146656	1			
BLUEMARK CLED CASE	5146725	1	BLUEMARK CLED CASE	5146725	1			
See page 161			See page 161					

# THERMOMARK CARD PLUS, for sheet materials and cards, four-color printing





Thermal transfer for sheets and cards



The THERMOMARK CARD PLUS was specially developed for printing with segmented multi-ink ribbons.

- Prints markers in card format for terminal, conductor, cable, device, system, and safety marking applications
- Prints several colors without replacing the ink ribbon
- For all UniCard (UCT) and UniSheet (US) materials
- Maintenance-free operation with triedand-tested thermal transfer printing technology
- High-quality, fast printing: printing time for one single-color UniCard: just 8 seconds
- Easy operating concept based on straightforward touchscreen entry
- USB and Ethernet connections
- Easy to control with the CLIP PROJECT software

N	ot	e	s:

An application video can be found in the download area for the relevant product on our website at www.phoenixcontact.net/products.

Dimensions	
	[mm]
General data	
Print resolution	[dpi]
Max. print width	[mm]
Power supply	[V]
Weight	[kg]
Operating systems	

Description	Color
Thermal transfer printer for cards, incl. European por US power cable, USB cable, DVD with CLIP PROJECT ADVANCED, CD with multilin manual/driver/firmware, DIN A5 printed English/German user manual, magazine for UCT—TM materials, magazine for US materials,	
one unit pack UCT-TM 6, one unit pack US-EMLP (85,6x54), one ink ribbon (50-meter sample roll)	grav

Transport case	
Ink ribbon, length: 300 m, width: 110 mm	black
Ink ribbon, length: 300 m, width: 110 mm	white
<b>Segmented ink ribbon</b> , length: 60 m, width: 110 r two segments in colors	nm
-	black/red
three segments in colors	black/red/yel- low
four segments in colors	black/red/blue/ yellow

Technical data						
Width	Length	Height				
253	320	189				
300 dpi	300 dpi					
104	104					
100 240 / 50 Hz 60 Hz						
6						
MS Windows XP SP3, MS Windows Vista, MS Windows 7 (32/64-bit),						
MS Windov	MS Windows 8 (32/64-bit)					

Ordering data			
Туре	Order No.	Pcs. / Pkt.	
THERMOMARK CARD PLUS	5146481	1	

THEITMOMATIK GAILD I EGG	3170701			
Accessories				
TL CASE  THERMOMARK-RIBBON 110-TC TM-RIBBON 110-TC/TR WH	0800613 0801371 1014402	1 1 1		
TM-RIBBON 110-TC BK/RD TM-RIBBON 110-TC BK/RD/YE TM-RIBBON 110-TC BK/RD/BU/YE	1014403 1014404 1014405	1 1		



# THERMOMARK CARD, thermal transfer printer for sheet materials and cards



- The THERMOMARK CARD can print markers supplied as cards in the context of terminal, conductor, cable, and device marking applications
- For all UniCard (UCT) and UniSheet (US) materials
- Maintenance-free operation with triedand-tested thermal transfer printing technology
- High-quality, fast labeling. Printing time for one UniCard: just 8 seconds
- Easy operating concept based on straightforward touchscreen entry
- USB and Ethernet connections
- Easy to control with the CLIP PROJECT software

Notes:	
For corresponding magaz	zines, see page 36.
	be found in the download area for the relitie at www.phoenixcontact.net/products.



Thermal transfer for sheets and cards



ccc	.(V)	P	CB
	1600	6 02	schen

Dimensions	
	[mm]
General data	
Print resolution	[dpi]
Max. print width	[mm]
Power supply	[V]
Weight	[kg]
Operating systems	

	Tech	inical data	
Width	Length	Height	
253	320	189	
300 dpi			
104			
100 240	/ 50 Hz 60 Hz		
6			
MS Windov	vs XP SP3, MS Wir	idows Vista, MS Windo	ows 7 (32/64-bit),
MS Windov	vs 8 (32/64-bit)		

Description	Color
Thermal transfer printer for cards, incl. European powe US power cable, USB cable, DVD with CLIP PROJECT ADVANCED, CD with multilingu manual/driver/firmware, DIN A5 printed English/German user manual, magazine for UCT—TM materials, magazine for US materials, one unit pack UCT—TM 6, one unit pack UST—TM 6, one unit pack UST—EMLP (85,6x54), one ink ribbon (50-meter sample roll)	
	gray

Ordering data			
Туре	Order No.	Pcs./ Pkt.	
THERMOMARK CARD	5146464	1	
Accessories			

Transport case	
Ink ribbon, length: 300 m, width: 110 mm	black
Ink ribbon, length: 300 m, width: 110 mm	white

Accessories			
TL CASE	0800613	1	
THERMOMARK-RIBBON 110-TC	0801371	1	
TM-RIBBON 110-TC/TR WH	1014402	1	



# Magazines for THERMOMARK CARD and THERMOMARK CARD PLUS





and cards



- Robust magazines for UniCard labeling material
- The format automatically ensures printing with a high level of positional accuracy
- Even compatible with marking sheets that have already been started

	Ordering data		
Description	Туре	Order No.	Pcs. / Pkt.
Magazine, for THERMOMARK CARD for accommodating: UCT-TM, UCT1-TM, UCT5-TM, UCT-EM (5X10), UCT-EM (6X10)	THERMOMARK CARD-UCT-MAG1	5146480	1
Magazine, for THERMOMARK CARD, for accommodating: UCT-TMF	THERMOMARK CARD-UCT-MAG2	5146563	1
Magazine, for THERMOMARK CARD, for accommodating: UCT-WMS	THERMOMARK CARD-UCT-MAG3	5146613	1
Plastic magazine, for THERMOMARK CARD, for accommodating: UCT1-TMF			
Plastic magazine, for THERMOMARK CARD, for accommodating: UCT2-TM	THERMOMARK CARD-UCT-MAG4	5146614	1
Magazine, for THERMOMARK CARD, for accommodating:	THERMOMARK CARD-UCT-MAG5	5146615	1
UCT3-TM  Magazine, for THERMOMARK CARD, for accommodating	THERMOMARK CARD-UCT-MAG6	5146616	1
UCT-WMT sheets, UCT-EM (17X10)	THERMOMARK CARD-UCT-MAG7	0801734	1
Magazine, for THERMOMARK CARD for accommodating UCT-EM (17,5X8), UCT- EM (20X7), UCT-EM (15X10)	THERMOMARK CARD-UCT-MAG8	0801735	1
for accommodating UCT-EM (12X3.3), UCT-EM (12X6)	THERMOMARK CARD-UCT-MAG9	0801736	1
for accommodating UCT-EM (30X5) for accommodating UCT-EM (17X10) and (20X8)	THERMOMARK CARD-UCT-MAG10 THERMOMARK CARD-UCT-MAG11	0801737 0801738	1
Magazine, for THERMOMARK CARD for accommodating UCT-EM (10X8), UCT- EM (12X7)	THERMOMARK CARD-UCT-MAG12	0830399	1
for accommodating UCT-EM (10X5) for accommodating UCT-EM (21X8) and UCT EM (17X8)	THERMOMARK CARD-UCT-MAG13 THERMOMARK CARD-UCT-MAG14	0830400 0830401	1 1
Magazine, for THERMOMARK CARD for accommodating UCT-EM (20 x 9) for accommodating UCT-EM (17 x 9) for accommodating UCT-EM (18 x 8)	THERMOMARK CARD-UCT-MAG15 THERMOMARK CARD-UCT-MAG16 THERMOMARK CARD-UCT-MAG17	0830402 0830403 0830404	1 1 1
Magazine, for THERMOMARK CARD for accommodating UCT-EM (17,5X7,5) for accommodating UCT-EM (10X7) for accommodating UCT-EM (17,5X9)	THERMOMARK CARD-UCT-MAG18 THERMOMARK CARD-UCT-MAG20 THERMOMARK CARD-UCT-MAG22	0830405 0830751 0830771	1 1 1
Magazine, for THERMOMARK CARD for accommodating UCT6M-TM for accommodating UCT6R-TM	THERMOMARK CARD-UCT-MAG23 THERMOMARK CARD-UCT-MAG24	0830808 0830809	1 1

# Magazine for THERMOMARK CARD and THERMOMARK CARD PLUS



- Robust magazine for UniSheet labeling material
- The format automatically ensures printing with a high level of positional accuracy
- Even compatible with marking sheets that have already been started



Thermal transfer for sheets and cards



Descri	iion	
	ne, for THERMOMARK CARD, for accommodating naterials	j all
03	iateriais	

Ordering data		
Туре	Order No.	Pcs. / Pkt.
THERMOMARK CARD-US-MAG1	5146451	1

# THERMOMARK ROLL, thermal transfer printer for material off the roll



- The THERMOMARK ROLL can print markers supplied on rolls in the context of terminal, conductor, cable, and device marking applications
- For all labels and shrink sleeves
- Maintenance-free operation with triedand-tested thermal transfer printing technology
- High-quality, fast labeling
- Easy operating concept based on straightforward touchscreen entry
- USB and Ethernet connections
- Easy to control with the CLIP PROJECT software

#### Notes

An application video can be found in the download area for the relevant product on our website at www.phoenixcontact.net/products.



Thermal transfer for roll



ccc	.(Ų),,	P	CB
	.(40)	6 -2	scheme

Dimensions	
	[mm]
General data	
Print resolution	[dpi]
Max. print width	[mm]
Max. printing length	[mm]
Power supply	[V]
Weight	[kg]
Operating systems	

Technical data			
Width	Length	Height	
253	320	189	
300 dpi			
104			
1000			
100 240	/ 50 Hz 60 Hz		
4			
	vs XP SP3, MS Win vs 8 (32/64-bit)	dows Vista, MS Window	vs 7 (32/64-bit),

Description	Coloi
Thermal transfer printer for material off the roll, includ pean power cable, US power cable, USB cable, DVD with CLIP PROJECT ADVANCED, CD with multilingumanual/driver/firmware, A5 printed English/German user manual, one roll of EML (20x8) labels containing 1000 labels, one ink ribbon (50 meters)	Ü
	gray

MS WINDOWS 8 (32/64-DIT)				
Ordering data				
Туре	Order No.	Pcs. / Pkt.		
THERMOMARK ROLL 5146477 1				
Accessories				

<b>Cutter</b> , can be retrofitted, for precise cutting of continuous medianto required lengths	а
Cutter, can be retrofitted, for perforating continuous media	
Transport case	
External media hub, for roll diameters of 150 mm to 305 mm	
External media hub, for roll diameters of up to 500 mm	
b gre	ack olue een red
Ink ribbon, specifically for high-temperature labels, EML-HT	
Ink ribbon, specifically for WMS shrink sleeves, length: 300 m width: 110 mm	ack n, ack hite
	n, ack hite

THERMOMARK ROLL	5146477	1
Accessories	;	
THERMOMARK ROLL-CUTTER	5146422	1
THERMOMARK ROLL-CUTTER/P	5146435	1
TL CASE	0800613	1
THERMOMARK ROLL-ERH	5146448	1
THERMOMARK-ERH 500	5146309	1
THERMOMARK-RIBBON 110	5145384	1
THERMOMARK-RIBBON 110 BU	0829544	1
THERMOMARK-RIBBON 110 GN	0829542	1
THERMOMARK-RIBBON 110 RD	0829543	1
THERMOMARK-RIBBON 110-EML-HT	0800342	1
THERMOMARK-RIBBON 110-WMSU	0801358	1
THERMOMARK-RIBBON 110-WMSU WH	0801358	1
THERMOMARK-RIBBON 64-WMSU	0801360	1
THERMOMARK-RIBBON 64-WMSU WH	0801361	1

### THERMOMARK ROLL X1, thermal transfer printer for material off the roll



The THERMOMARK ROLL X1 printer is suitable for labeling large quantities and offers the following features:

- Also accommodates large rolls; inside the printer housing, the label rolls are protected against environmental influences such as dust and dirt
- For all labels and shrink sleeves
- Maintenance-free operation with triedand-tested thermal transfer printing technology
- High-quality, fast labeling
- Easy operating concept based on straightforward touchscreen entry
- USB and Ethernet connections
- Easy to control with the CLIP PROJECT software
- Printing and dispensing labels on request or automatically after removing the label with the THERMOMARK ROLL X1 -DISPENSER

### Cutting to length or perforating is easy

- Continuous media can be cut or perforated with a high degree of positioning accuracy (see figure below)







Dimensions	
	[mm]
General data	
Temperature range	[°C]
Print resolution	[dpi]
Max. print width	[mm]
Max. printing length	[mm]
Interfaces	
Power supply	[V]
Weight	[kg]
Operating systems	

Technical data					
Width	Length	Height			
264	412	245			
5 40					
300 dpi					
104					
1000					
10/100 Mbps Ethernet / USB 2.0					
100 240 / 50 Hz 60 Hz					
5					
MS Windows XP SP3, MS Windows Vista, MS Windows 7 (32/64-bit),					
MS Windov	vs 8 (32/64-bit)				

Ordering data

Order No.

Description Color	Туре
Thermal transfer printer for material off the roll, including European power cable, US power cable, USB cable, DVD with CLIP PROJECT ADVANCED, CD with multilingual user manual/driver/firmware, A5 printed English/German user manual, one roll of EML (20x8) labels containing 1000 labels, one ink ribbon (50 meters)	
gray	THER
<b>Cutter</b> , can be retrofitted, for precise cutting of continuous media into required lengths	THE
	THER
<b>Perforation device,</b> can be retrofitted, for perforating and cutting	

one ink ribbon (50 meters)		
, ,	gray	Т
<b>Cutter</b> , can be retrofitted, for precise cutting of continuous m into required lengths	edia	Т
<b>Perforation device</b> , can be retrofitted, for perforating and continuous media	utting	_
Label dispenser, dispensing device for labels with a height	of	ľ
10 mm or more		Т
Ink ribbon, length: 300 m, width: 110 mm		
,	black blue green red	T T T
Ink ribbon, specifically for high-temperature labels, EML-HT		
	black	T
Ink ribbon, specifically for WMS shrink sleeves, length: 30 width: 110 mm	10 m,	
	black white	T V
Ink ribbon, specifically for WMS shrink sleeves, length: 30 width: 64 mm	00 m,	
	black white	T T V
Ink ribbon, specifically for cable markers for assembly with binders, WMTB HF, length: 300 m, width: 110 mm	cable	
	black	Т

		FKI.
THERMOMARK ROLL X1	5146723	1
Accessories	\$	
THERMOMARK ROLL X1 CUTTER	5146765	1
THERMOMARK ROLL X1 CUTTER/P	5146766	1
THERMOMARK ROLL X1 -DISPENSER	1014401	1
THERMOMARK-RIBBON 110	5145384	1
THERMOMARK-RIBBON 110 BU	0829544	1
THERMOMARK-RIBBON 110 GN	0829542	1
THERMOMARK-RIBBON 110 RD	0829543	1
THERMOMARK-RIBBON 110-EML-HT	0800342	1
THERMOMARK-RIBBON 110-WMSU	0801358	1
THERMOMARK-RIBBON 110-WMSU WH	0801359	1
THERMOMARK-RIBBON 64-WMSU	0801360	1
THERMOMARK-RIBBON 64-WMSU WH	0801361	1
THERMOMARK-RIBBON 110-WMTB HF	5148007	1
THERMOMARK ROLL X1-CASE	5146724	1

Transport case

### **THERMOMARK** printer sets





Thermal transfer for sheets and cards



Thermal transfer for rolls



Printing set, complete

MARKING BOX is the complete labeling system for all terminal, conductor, cable, and device marking applications. It is available for different country-specific keyboard and operating systems.

- Includes the THERMOMARK CARD printer for all materials in the UniCard (UCT) and UniSheet (US) formats
- Includes the THERMOMARK ROLL printer for all labels and shrink sleeves supplied in rolls
- Includes a powerful notebook with preinstalled CLIP PROJECT configuration and marking software, as well as the printer drivers required to enable quick startup without any need for installation and setup work. Plug and print. Simply connect the devices via USB and you're ready to print
- The compact and robust THERMOMARK printers are optimally suited to mobile use on site.

#### Notes:

An application video can be found in the download area for the relevant product on our website at www.phoenixcontact.net/products.

	Ordering data		
Description	Туре	Order No.	Pcs. / Pkt.
Set, consisting of: 1 x THERMOMARK CARD, Order No. 5146464, 1 x THERMOMARK ROLL, Order No. 5146477, 1 x MARK- ING NOTEBOOK, CLIP-PROJECT PROFESSIONAL			
German operating system and keyboard	MARKING BOX	5147100	1
English operating system and US international keyboard	MARKING BOX EN	5147101	1
Printing set, consisting of: 1 x THERMOMARK CARD, Order No. 5146464, 1 x MARKING NOTEBOOK, CLIP-PROJECT PROFESSIONAL			
German operating system and keyboard			
English operating system and US international keyboard			
Printing set, consisting of: 1 x THERMOMARK ROLL, Order No. 5146477, 1 x MARKING NOTEBOOK, CLIP-PROJECT PROFESSIONAL			
German operating system and keyboard			
English operating system and US international keyboard			
Versions German operating system and Swiss keyboard	MARKING BOX DE CH	0801749	1
English operating system and Belgian keyboard	MARKING BOX EN BE	0801742	1
French operating system and keyboard	MARKING BOX FR FR	0801590	1
Spanish operating system and keyboard	MARKING BOX ES ES	0801747	1
Italian operating system and keyboard	MARKING BOX IT IT	0801745	1
Polish operating system and US international keyboard	MARKING BOX PL US	0801744	1
Hungarian operating system and keyboard	MARKING BOX HU HU	0801750	1
Portuguese operating system and keyboard	MARKING BOX PT PT	0801748	1
Russian operating system and keyboard	MARKING BOX RU RU	0801739	1
Danish operating system and keyboard	MARKING BOX DK DK	0801741	1
Swedish operating system and keyboard	MARKING BOX SE SE	0801740	1
	Accessories		
Printer accessories	www.phoenixcontact.net/products		







Printing set for cards

Printing set for material provided on rolls





Ordering date	ta		Ordering dat	а	
Туре	Order No.	Pcs. / Pkt.	Туре	Order No.	Pcs. / Pkt.
THERMOMARK CARD SET THERMOMARK CARD SET EN	5147200 5147201	1			
	0111201	·			
			THERMOMARK ROLL SET	5147300	1
			THERMOMARK ROLL SET EN	5147301	1
THERMOMARK CARD SET DE CH	5147220	1	THERMOMARK ROLL SET DE CH	5147230	1
THERMOMARK CARD SET EN BE	5147214	1	THERMOMARK ROLL SET EN BE	5147225	1
THERMOMARK CARD SET FR FR	0801591	1	THERMOMARK ROLL SET FR FR	0801592	1
THERMOMARK CARD SET ES ES	5147218	1	THERMOMARK ROLL SET ES ES	5147228	1
THERMOMARK CARD SET IT IT	5147217	1	THERMOMARK ROLL SET IT IT	5147227	1
THERMOMARK CARD SET PL US	5147215	1	THERMOMARK ROLL SET PL US	5147226	1
THERMOMARK CARD SET HU HU	5147221	1	THERMOMARK ROLL SET HU HU	5147231	1
THERMOMARK CARD SET PT PT	5147219	1	THERMOMARK ROLL SET PT PT	5147229	1
THERMOMARK CARD SET RU RU	5147211	1	THERMOMARK ROLL SET RU RU	5147222	1
THERMOMARK CARD SET DK DK	5147213	1	THERMOMARK ROLL SET DK DK	5147224	1
THERMOMARK CARD SET SE SE	5147212	1	THERMOMARK ROLL SET SE SE	5147223	1
Accessories	5		Accessories	3	

# THERMOMARK X1.2, thermal transfer printer for material off the roll



An important addition to the range is the THERMOMARK X1.2, a top-of-the-line thermal transfer printer with the following key features:

- High print speed
- Print resolution of 300 dpi
- This printer is suitable for labeling large quantities and is capable of processing all types of material supplied on rolls
- The easy-to-use centering function for the printing material makes it possible to label continuous media such as shrink sleeves
- High-quality resin-based ink ribbons ensure a form of labeling that is resistant to mechanical and chemical effects
- Continuous media can be cut and perforated with a high degree of positional accuracy



Thermal transfer for roll

Description





Color

black white

Dimensions	
	[mm]
General data	
Print resolution	[dpi]
Max. print width	[mm]
Max. printing length	[mm]
Interfaces	
Power supply	[V]
Weight	[kg]
Operating systems	

	Technical data					
	Width Length Height					
	242	446	274			
	300 dpi					
	105					
	2000					
	Serial (V.24 (RS-232)) / USB 2.0 / 10/100 Mbps Ethernet					
	100 240 / 50 Hz 60 Hz					
	10					
	MS Windows XP SP3, MS Windows Vista, MS Windows 7 (32/64-bit),					
_	MS Windows 8 (32/64-bit)					
	Ordering data					

Pcs./

Thermal transfer printer, incl. connecting cable, Windows® printer driver and operating instructions, software	
gr	ау
Starter set, complete for THERMOMARK X1.2 consisting of: Planning and marking software THERMOMARK X1.2 thermal transfer printer Ink ribbon Label rolls	
Cutter, for THERMOMARK X1	
Perforator	
Transport case, with aluminum edges, for printer and accessories	es
External media hub, for roll diameters of 150 mm to 305 mm	
External media hub, for roll diameters of up to 500 mm	
Ink ribbon, length: 300 m, width: 110 mm	
bla <b>Ink ribbon,</b> specifically for high-temperature labels, EML-HT	ick
bla	
Ink ribbon, specifically for WMS shrink sleeves, length: 300 m, width: 110 mm bla whi	ıck
Ink ribbon, specifically for WMS shrink sleeves, length: 300 m, width: 64 mm	,

Order No.	Pkt.
5146231	1
5146341	1
5145290	1
5146244	1
5145300	1
5146448	1
5146309	1
5145384	1
0800342	1
0801358	1
0801359	1
0801360	1
0801361	1
	5146231 5146231 5146341 5145290 5146244 5145300 5146448 5146309 5145384 0800342 0801358 0801359



# THERMOMARK W2, thermal transfer printer for continuous shrink sleeve



The THERMOMARK W2 has been specially developed for the double-sided printing and perforation of continuous WMS shrink sleeves

- Double-sided printing ensures optimum marking legibility
- The guide elements ensure easy handling when inserting the sleeve
- The user-friendly interface of the CLIP PROJECT software enables you to enter custom specifications for the labeling and marker length
- Black and white ink ribbons are available to facilitate color marking
- The printed markers can be easily and quickly separated along the perforations



Thermal transfer for rolls





		Technical data		
		rechnical data		
Dimensions		Width	Length	Height
	[mm]	248	554	405
General data				
Print resolution	[dpi]	300 dpi		
Max. print width	[mm]	105.6		
Max. printing length	[mm]	1000		
Interfaces		Serial (V.24 (RS-232)) / USB 2.0 / 10/100 Mbps Ethernet		
Power supply	[V]	100 240	/ 50 Hz 60 Hz	
Weight	[kg]	21		
Operating systems		MS Windows XP SP3, MS Windows Vista, MS Windows 7 (32/64-bit) MS Windows 8 (32/64-bit)		

		Ordering	data
Description	Color	Туре	
Thermal transfer printer, specially for shrink sleeve label both sides, including perforation knife, connecting cable, W dows® printer driver, operating instructions, CLIP PROJEC advanced planning and marking software	/in-		
	gray	THERMOMARK W2	

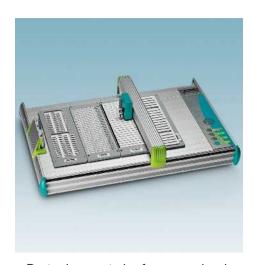
	gray
External media hub, for roll diameters of 150 mm to 305 mm	m
External media hub, for roll diameters of up to 500 mm	
External media hub, for roll diameters of up to 500 mm	
Ink ribbon, specifically for WMS shrink sleeves, length: 30 width: 110 mm	black
	white
Ink ribbon, specifically for WMS shrink sleeves, length: 30 width: 64 mm	
	black white

THERMOMARK W2	5146147	1
Accessories		
THERMOMARK ROLL-ERH	5146448	1
THERMOMARK-ERH 500	5146309	1
THERMOMARK-ERH 500	5146309	1
THERMOMARK-RIBBON 110-WMSU THERMOMARK-RIBBON 110-WMSU WH	0801358 0801359	1 1
THERMOMARK-RIBBON 64-WMSU THERMOMARK-RIBBON 64-WMSU WH	0801360 0801361	1

Order No.



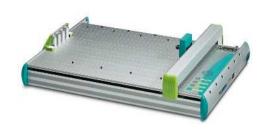
### **CMS-P1-PLOTTER**



- During long periods of non-use, the plotter pens are stored safely in a pen station
- The pens are removed and deposited automatically
- The pen station of the CMS-P1-PLOTTER prevents the plotter pens from drying out
- An automatic marking preparation function ensures optimum marking results right from the first character
- The plotter is controlled with the CLIP PROJECT software
- The plotter can be connected to the computer quickly and easily via the Centronics or USB interface
- Easily operated with just a few buttons



Plotter



Dimensions	
	[mm]
General data	
Lettering field size	[mm]
Max. material height	[mm]
Max. plotting speed	[m/s]
Interfaces	
Input voltage / frequency	[V]
Weight	[kg]
Operating systems	

Technical data				
Width	Length	Height		
440	660	125		
440 x 296	mm			
10.5				
0.4				
Parallel (Centronics) / USB 2.0				
100 240 / 50 Hz 60 Hz				
8				
MS Windows XP SP3, MS Windows Vista, MS Windows 7 (32/64-bit),				
MS Window	ws 8 (32/64-bit)			

Description	Color
Marking plotter, incl. power supply unit, contronics and USB), pen CMS-PEN 0,25, manualing software	
	silver

Ordering data			
Туре	Order No.	Pcs. / Pkt.	
CMS-P1-PLOTTER	5144615	1	

Starter set, consisting of: - CLIP PROJECT, - CMS-P1-PLOTTER, - Magazines for UC-TM, UC-TMF, and UC-EMP, plus marking material - Ink and cleaning set
<b>Transport case for CMS-P1-PLOTTER</b> , rounded profile case with aluminum frame for a complete plotter system
<b>Covering hood for CMS-P1-PLOTTER,</b> flexible hood for protecting against contamination
Set of seals for the pen station, 4 replacement seals for the pen station of the CMS-P1-PLOTTER and 10 marking preparation plates, incl. assembly tool
Pen plates, for the pen station of the CMS-P1-PLOTTER
Magazines and pens

CMS-P1-PLOTTER	5144615	1	
Accessories			
CMS-P1-PLOTTER-KIT	5144628	1	
CMS-P1-PLOTTER-CASE	5144631	1	
CMS-P1-PLOTTER-COVER	5144806	1	
CMS-P1-PENDEPOT	5144835	1	
CMS-P1-PREPLATES	5145135	1	
See page 46			



### **CMS-P1-PLOTTER** engraving unit



- The P1 ENGRAVING UNIT is the ideal marking solution for device and component marking applications that involve high levels of mechanical and chemical stress
- The CMS-P1-PLOTTER can be converted into an engraving unit quickly and easily by swapping the plotter head for the engraving device
- To allow different line thicknesses, engraving chisels with diameters ranging from 0.2 ... 1.0 mm are available as accessories
- These are supplemented by a comprehensive product range of pre-assembled engraving materials see page 294
- These materials remain in position and do not slip when used with the CMS-P1-M/GPE ENGRAVING plotter magazine



Engraving



Dimensions	
	[mm]
General data	
Power supply	[V]
Weight	[kg]
Speed range	[RPM]
Collet chuck	[mm]
Power consumption	[W]

	Technical data				
Width	Length	Height			
250	350				
110 240 / 50 Hz 60 Hz					
8					
5000 50000					
3					
150					

Ordering data

Type

Pcs./

Order No.

5145711

Description
Engraving unit, for the CMS-P1-PLOTTER, incl. operating instructions (English/German), data CD and engraving chisel

Engraving chisel set, chisel with a point angle of 15°, point diameter: 0.2 mm, 0.3 mm, 0.4 mm, 0.5 mm, 0.7 mm, 1.0 mm

Vacuum cleaner bag, 5 spare bags for replacement

EMLP... and GPE... materials for engraving

Magazine for the CMS-P1-PLOTTER, for accommodating

Engraving chisel, with a point angle of 15°

Point diameter 0.2 mm

Point diameter 0.3 mm

Point diameter 0.4 mm Point diameter 0.5 mm

Point diameter 0.7 mm

Point diameter 1.0 mm

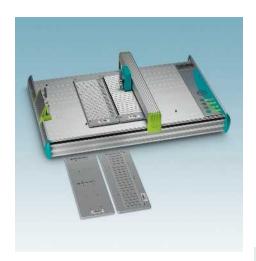
- 1 GPE label sheet

<b>-</b>			
	P1 ENGRAVING UNIT	5145546	1
	Accessories	•	
	P1 GRAVER 0.2 P1 GRAVER 0.3 P1 GRAVER 0.4 P1 GRAVER 0.5 P1 GRAVER 0.7 P1 GRAVER 1.0	5145478 5145481 5145494 5145504 5145517 5145520	1 1 1 1 1
	P1 GRAVER SET P1 ENGRAVING VC BAG	5145533 5145559	1

CMS-P1-M/GPE ENGRAVING



### **Magazines for CMS-P1-PLOTTER**



- Robust plastic magazines for labeling all commercially available marking materials
- Even compatible with marking sheets that have already been started
- Option of partial labeling
- In terms of its size, the magazine utilizes plotter capacity to the full
- We offer a wide variety of different magazines for marking materials. If you cannot find the right magazine for your materials, please get in touch



**Ordering data** 

Pcs. /

Pkt.

Order No.

5146079

5146082

5146095

5146105

5146118

5146121

5146568

5144699

5144709

5144660

5144686

5144712

5144741

5144725

5144754

5144738

5145711

		0.00
Description	Color	Туре
Magazine, for CMS-P1-PLOTTER, for accommodati, UC-TMN, UC3-TM, UC-WMC 1,9, UC-WN WMTBA, UC-EM (17,5x9), UC-EM (18x8), UC-EM	ИС 3,1, UC-	
For accommodating UC–WMC 4,4 For accommodating UC–WMC 5,6, UC–WMC 7.5	gray gray gray	P1 UC-MAG 1 P1 UC-MAG 2 P1 UC-MAG 3
For accommodating UC-TMF, UC1-TMF, UC2F-TM, UC-WMT	gray	P1 UC-MAG 4
For accommodating UC1–TM, UC1U–TM, UC2–TM	gray	P1 UC-MAG 5
For accommodating: UC-EM, UC-EMP, UC-EMLP, UC-EMSP, and UC-WMTB	gray	P1 UC-MAG 6
For accommodating: UC-WMCO Plastic magazines, for CMS-P1-PLOTTER, for according to the company of the compa	gray ommodating:	P1 UC-MAG 7
- 26 flat zack marker strips or ZBN strips		CMS-P1-M/ZB CMS-P1-M/ZBF
- 2 zack marker sheets - 3 flat zack marker sheets - 22 contactor marker zack marker strips - 4 to 6 PABA marker bars - 30 marker pins ZB strips - 1 GPE label sheet - 20 strips LBHZ conductor marking		CMS-P1-M/ZBM CMS-P1-M/ZBFM CMS-P1-M/SS-ZB CMS-P1-M/PAB CMS-P1-M/BN-ZB CMS-P1-M/GPE CMS-P1-M/LBHZ
- 1 GPE label sheet	L adhaairra	CMS-P1-M/GPE ENGRAVING
Magazine for accommodating sheet material, self mat for fixing labels, foils and paper, size of sheet materials.		
		CMS-P1-PAD

	CMS-P1-PAD	5144819	1
	Accessories	i	
Adapter plate for WMU magazines, for using the universal CMS-WMU replaceable frame with the magazine inserts of the CMS-MCP 3 plotter	CMS-P1-WMU-ADAPTER	5144822	1
<b>Replacement fixation pad for CMS-P1-M/ZBFM,</b> 9 self-adhesive fixation pads, sufficient for 3 magazines	CMS-P1-M/ZBFM-PAD	5144848	1
Replacement fixation pad for CMS-P1-M/GPE and CMS-P1-M/GPE ENGRAVING, one fixation pad, sufficient for one magazine	CMS-P1-M/GPE-PAD	5144880	1
Replacement fixation pad for CMS-P1-PAD, 1 fixation pad in DIN A4 format			
	CMS-P1-PAD/SPARE	5144893	1

### **Plotter pens**



- Plotter pens for high-quality product labeling
- Wipe-resistant with a perfect appearance
- Totally integrated product range consisting of plotter pens, ink, and cleaning fluid for the CMS-P1-PLOTTER plotter
- Both reusable and disposable plotter pens are available

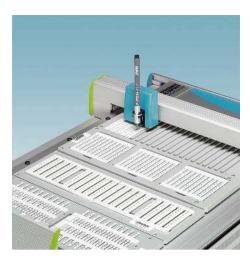


Ordering data

Description	Color	Туре	Order No.	Pkt.
<b>Disposable plotter pen</b> , non-refillable plotter pen, with pen station, completely filled with 1 ml CMS-INK-TR-C 5 ink, for requirements				
Line thickness 0.25 mm	black	CMS-DISPOSABLE-PEN 0,25 TR	5146685	1
Line thickness 0.35 mm	black	CMS-DISPOSABLE-PEN 0,35 TR	5146686	1
<b>Pens</b> , incl. adapters, ink tank and pen station, for different lir thicknesses, without ink	ne			
Line thickness 0.25 mm		CMS-PEN 0,25	5067815	1
Line thickness 0.35 mm		CMS-PEN 0,35	5067828	1
Line thickness 0.50 mm		CMS-PEN 0,50	5067831	1
		Accessories	i	
Cleaning set for pens, consisting of: 1 cleaning cup, 2 cart of 10 ml cleaning liquid each and 2 spare sealing caps for the station				
		CMS-R-SET-TR	5146751	1
Cleaning cartridges with spare sealing caps, 2 cartridges with 10 ml cleaning liquid and 2 caps	s, each			
trans	sparent	CMS-R-FLUID-TR-C2	5146752	1
Ink cartridge, for CMS-PEN				
	black	CMS-INK-TR-C5	5146684	1



### Marker pen for plotter and manual labeling



- High-quality labeling of unprinted marking materials, can be performed manually or with the CMS-P1-PLOTTER
- Used in conjunction with the P-PEN ADAPTER when combined with plotter
- Disposable pen
- No handling of cleaning fluid required



		Ordering data		
Description	Color	Туре	Order No.	Pcs. / Pkt.
Disposable pen, non-refillable, for manual labeling, can be used for plotter marking when combined with the P-PEN ADAPTER	e also			
	black	P-PEN	0815211	10
		Accessorie	s	
Aluminum adapter, to fix the P-PEN for plotter marking				
		P-PEN ADAPTER	0815224	1

48

### Marker pen for manual labeling



- High-quality labeling of unprinted marking materials is also possible without the use of labeling devices

- We provide three versions for manual marking
- Refillable pen: X-PEN - Disposable pen: B-STIFT
- Disposable pen: P-PEN, can also be used for plotter marking when combined with an adapter



		Ordering data		
Description	Color	Туре	Order No.	Pcs. / Pkt.
Marker pen, refillable, for manual labeling, 0.35 mm liness, can be refilled with CMS-INK-TR-C 5, delivered				
	black	X-PEN 0,35	0811228	1
		Accesso	ories	
Ink cartridge, for CMS-PEN		0110 HW TD 05		
	black	CMS-INK-TR-C5	5146684	1

## Marker pen for manual labeling

- High-quality labeling of unprinted marking materials is also possible without the use of labeling devices
- We provide three versions for manual marking
- Refillable pen: X-PEN - Disposable pen: B-STIFT
- Disposable pen: P-PEN, can also be used for plotter marking when combined with an adapter



	B-STIF
Marker pen, not refillable, for manual labeling, line thickness 0.5 mm	
Description Color	Туре

Ordering data				
Туре	Order No.	Pcs. / Pkt.		
B-STIFT	1051993	10		

Overview of marking material printers

















Marking system	BLUEMARK CLED	THERMOMARK CARD PLUS	THERMOMARK CARD	THERMOMARK ROLL
Terminal marking				
UC-TM	Page 58			
UC-TMF	Page 62			
UC-TMN	Page 66			
UCT-TM	Page 82	Page 82	Page 82	
UCT-TMF	Page 86	Page 86	Page 86	
UC1-TM	Page 118			
UCT1	Page 128	Page 128	Page 128	
UCT-EM	Page 108	Page 108	Page 108	
US-TM		Page 90	Page 90	
US-TMF		Page 91	Page 91	
US-TML		Page 92	Page 92	
ZB				
ZBF				
TMT				Page 94
TML				Page 98
SK				Page 105

WMTB-AL	Page 161			
UC-WMC(O)	Page 162			
AI-WM	Page 175			
UC-WMT	Page 176			
UC-WMTB(A)	Page 179			
UCT-WMT	Page 182	Page 182	Page 182	
UCT-WMS	Page 186	Page 186	Page 186	
US-WMT		Page 187	Page 187	
US-WMTB		Page 190	Page 190	
US-WML		Page 192	Page 192	
WMLR				Page 194
WMS (pre-assembled)				Page 200
WMS (continuous shrink sleeve)				Page 204
EMT				Page 208
WMTW				Page 209
WMT/WMTB				Page 210





















P1 ENGRAVING UNIT

THERMOMARK ROLL X1	THERMOMARK X1.2

-X1-9-X-
THERMOMARK W2

CMS-P1-PLOTTER

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Overview of marking material - printers

















Marking system	BLUEMARK CLED	THERMOMARK CARD PLUS	THERMOMARK CARD	THERMOMARK ROLL
Device marking				
EMLP-AL	Page 231			
EMSP-AL	Page 232			
EMP-AL	Page 233			
UC-EMLP	Page 234			
UC-EMSP	Page 236			
UC-EMP	Page 237			
UC-EM	Page 240			
UCT-EM	Page 246	Page 246	Page 246	
US-EMLP		Page 258	Page 258	
US-EMP		Page 262	Page 262	
US-EMSP		Page 266	Page 266	
US-EMLSP		Page 267	Page 267	
US-EML		Page 268	Page 268	
US-EMLF		Page 354	Page 354	
EML				Page 270
EMLP				Page 274
EMLF				Page 278
EMLC				Page 279
EML-HA				Page 280
EML-HT				Page 282
EML-ESD				Page 284
EML-RM				Page 286
EMLS				Page 288
EMT				Page 290
GPE				
BMK				
BMKL				

System marking			
US-PML-W	Page 320	Page 320	
PML-W			Page 321
US-PML-P	Page 326	Page 326	
PML-P			Page 327
US-PML-M	Page 334	Page 334	
PML-M			Page 335
PML-T			Page 342
US-PML-GHS	Page 348	Page 348	
PML-GHS			Page 349
US-EMLF	Page 354	Page 354	
PMM			Page 356





















THERMOMARK ROLL X1

**THERMOMARK X1.2** 

THERMOMARK W2

**CMS-P1-PLOTTER** 

P1 ENGRAVING UNIT

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