

# Ink ribbon - THERMOMARK-RIBBON 110-WMSU - 0801358

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Ink ribbon, Width: 110 mm, Color: black



## Key Commercial Data

Packing unit	1 STK
Weight per Piece (excluding packing)	250.000 g
Custom tariff number	96121010
Country of origin	United States

## Technical data

#### Dimensions

Length (b)	300.00 m
Width (a)	110.00 mm
General	

# Color black

## Classifications

#### eCl@ss

eCl@ss 4.0	24190105
eCl@ss 4.1	24190105
eCl@ss 5.0	19029102
eCl@ss 5.1	19029102
eCl@ss 6.0	27141137
eCl@ss 7.0	27141137

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# Ink ribbon - THERMOMARK-RIBBON 110-WMSU - 0801358

## Classifications

eCl@ss

eCl@ss 8.0	19149290
eCl@ss 9.0	19149290

#### ETIM

ETIM 2.0	EC000761
ETIM 3.0	EC000761
ETIM 4.0	EC001694
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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#### **Printing systems**



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.

**Printing systems** 



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.

#### **Printing systems**

### **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



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

#### Description

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

Color

	gray
Set, consisting of: 1 x BLUEMARK CLED, Order No. 5147999,	1 x
MARKING NOTEBOOK, CLIP-PROJECT PROFESSIONAL	
With Common operation system and Common lieu	~~~~

with German operating system and German key-	gray
board	
With English operating system and English key-	gray
board	

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

#### 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.

## 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

#### **Printing systems**



Printers



Accomodating box

	Tech	nical data	a		Technical data					Technical data				
Width 480	Length 500	Height 330			Width 480	Length 500	Height 330			Width <b>400</b>	Length 470	Height 160		
5 35 UV LED tech 20 ml Approx. 100	nnology 00 markers/h (UC	C-TMF 4 with 2	2 characters/m	arker)	5 35 UV LED tech 20 ml Approx. 100	nnology 00 markers/h (UC	-TMF 4 with 2	characters/m	arker)					
100 240 / 16 MS Windows	s Ethernet / USB 2 50 Hz 60 Hz s XP SP3, MS Wind s 8 (32/64-bit)		S Windows 7 (S	32/64-bit),	16 MS Windows	s Ethernet 50 Hz 60 Hz 3 XP SP3, MS Wind 3 8 (32/64-bit)	dows Vista, MS	S Windows 7 (S	32/64-bit),	- - - -				
	Orde	ering data	1			Orde	ering data	l			Ord	ering data	3	
Туре			Order No.	Pcs. / Pkt.	Туре			Order No.	Pcs. / Pkt.	Туре			Order No.	Pcs. / Pkt.
BLUEMARK	CLED		5147999	1										
						CLED SET		5147400 5147401	1					
										BLUEMAR	CLED-BASE		5146669	1
	Acc	essories				Acc	essories				Aco	essories		
BLUEMARK	CLED-FLUID-C	ARTR.	5146662	1	BLUEMAR	CLED-FLUID-C	ARTR.	5146662	1					
	CLED-MAG 20 CLED-MAG 40		5146655 5146668	1 1		CLED-MAG 20 CLED-MAG 40		5146655 5146668	1 1					
BLUEMARK	CLED-STACKE	R 20	5146656	1	BLUEMAR	CLED-STACKE	R 20	5146656	1					
BLUEMARK	CLED CASE		5146725	1	BLUEMAR	CLED CASE		5146725	1					
See page 1	See page 161				See page 161									

#### **Printing systems**

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



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

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 sheets and cards



		Technical data						
Dimensions		Width Length Height						
	[mm]	253	320	189				
General data								
Print resolution	[dpi]	300 dpi						
Max. print width Power supply	[mm]	104	50 Hz 60 Hz					
Weight	[V] [kg]	6	50 HZ 00 HZ					
Operating systems	[1,9]	MS Windows	s XP SP3, MS Wind s 8 (32/64-bit)	ows Vista, N	AS Windows 7 (3	32/64-bit),		
			Orde	ring dat	а			
Description	Color	Туре			Order No.	Pcs. / Pkt.		
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)	gray	THERMOM	ARK CARD PLUS	i	5146481	1		
			Acc	essories	;			
Transport case								
		TL CASE			0800613	1		
Ink ribbon, length: 300 m, width: 110 mm	h la sh	TUEDMON			0001071			
Ink ribbon, length: 300 m, width: 110 mm	black white		ARK-RIBBON 110 N 110-TC/TR WH	-10	0801371 1014402	1 1		
Segmented ink ribbon, length: 60 m, width: 110 mm								
two segments in colors	halo al des al				1011100			
three segments in colors b	black/red black/red/yel-		N 110-TC BK/RD N 110-TC BK/RD/	VE.	1014403 1014404	1		
uiiee segments in colors D	low		N THOME DR/RD/		1014404	1		
four segments in colors bla	ack/red/blue/ yellow	TM-RIBBON	N 110-TC BK/RD/	BU/YE	1014405	1		



N

#### **Printing systems**

#### **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 magazines, see page 36. An application video can be found in the download area for the rel-evant product on our website at www.phoenixcontact.net/products.



Thermal transfer for sheets and cards

[mm]
[dpi]
[mm]
[V]
[kg]

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

black

white

Transport case

Ink ribbon, length: 300 m, width: 110 mm

Ink ribbon, length: 300 m, width: 110 mm



#### 

	Tooh	nical dat	· <b>o</b>	
		lical ual	a	
Width	Length	Height		
253	320	189		
6 MS Windov	/ 50 Hz 60 Hz vs XP SP3, MS Wind vs 8 (32/64-bit)	ows Vista, M	1S Windows 7 (S	32/64-bit),
	Orde	ring dat	а	
Туре			Order No.	Pcs. / Pkt.
THERMO	MARK CARD		5146464	1
	Acce	essories	;	
TL CASE			0800613	1
THERMO	ARK-RIBBON 110	-TC	0801371	1
TM-RIBBO	ON 110-TC/TR WH		1014402	1

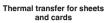


#### **Printing systems**

### Magazines for THERMOMARK CARD and THERMOMARK CARD PLUS









	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 accommo- dating: UCT1-TMF	THERMOMARK CARD-UCT-MAG4	5146614	1
Plastic magazine, for THERMOMARK CARD, for accommo- dating: UCT2-TM	THERMOMARK CARD-UCT-MAG5	5146615	1
Magazine, for THERMOMARK CARD, for accommodating: UCT3-TM	THERMOMARK CARD-UCT-MAG6	5146616	1
Magazine, for THERMOMARK CARD, for accommodating 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) for accommodating UCT-EM (30X5)	THERMOMARK CARD-UCT-MAG9	0801736 0801737	1
for accommodating UCT-EM (17X10) and (20X8) Magazine, for THERMOMARK CARD	THERMOMARK CARD-UCT-MAG11	0801738	1
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
Magazine, for THERMOMARK CARD for accommodating UCT-EM (20 x 9) for accommodating UCT-EM (17 x 9)	THERMOMARK CARD-UCT-MAG15 THERMOMARK CARD-UCT-MAG16	0830402 0830403	1
for accommodating UCT-EM (18 x 8) Magazine, for THERMOMARK CARD for accommodating UCT-EM (17,5X7,5)	THERMOMARK CARD-UCT-MAG17 THERMOMARK CARD-UCT-MAG18	0830404 0830405	1
for accommodating UCT-EM (10X7) for accommodating UCT-EM (17,5X9) Magazine, for THERMOMARK CARD	THERMOMARK CARD-UCT-MAG20 THERMOMARK CARD-UCT-MAG22	0830751 0830771	1 1
for accommodating UCT6M-TM for accommodating UCT6R-TM	THERMOMARK CARD-UCT-MAG23 THERMOMARK CARD-UCT-MAG24	0830808 0830809	1 1

- 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

DescriptionTypeMagazine, for THERMOMARK CARD for accommodating: UCT-TM, UCT1-TM, UCT5-TM, UCT-EM (5X10), UCT-EM (5X10)THERMOMARK THERMOMARK THERMOMARK CARD, for accommodating: UCT-TMFMagazine, for THERMOMARK CARD, for accommodating: UCT-WMSTHERMOMARK THERMOMARK CARD, for accommo- dating: UCT1-TMFPlastic magazine, for THERMOMARK CARD, for accommo- dating: UCT1-TMFTHERMOMARK THERMOMARK THERMOMARK CARD, for accommo- dating: UCT2-TMPlastic magazine, for THERMOMARK CARD, for accommo- dating: UCT2-TMTHERMOMARK THERMOMARK THERMOMARKPlastic magazine, for THERMOMARK CARD, for accommo- dating: UCT2-TMTHERMOMARK THERMOMARKMagazine, for THERMOMARK CARD, for accommodating: UCT3-TMTHERMOMARK THERMOMARKMagazine, for THERMOMARK CARD, for accommodating UCT-WMT sheets, UCT-EM (17X10)THERMOMARK THERMOMARK THERMOMARK THERMOMARKMagazine, for THERMOMARK CARD for accommodating UCT-EM (12X3.3), UCT- EM (12X6) for accommodating UCT-EM (17X10) and (20X8)THERMOMARK THERMOMARK THERMOMARK THERMOMARK THERMOMARK CARD for accommodating UCT-EM (10X8), UCT- EM (12X7) for accommodating UCT-EM (10X8), UCT- EM (12X7) for accommodating UCT-EM (10X8), UCT- EM (12X7) for accommodating UCT-EM (10X8), uCT- EM (17X8)THERMOMARK THERMOMARK THERMOMARK THERMOMARK THERMOMARK THERMOMARK CARD for accommodating UCT-EM (10X8), uCT- EM (17X8)THERMOMARK THERMOMARK THERMOMARK THERMOMARK THERMOMARK THERMOMARK THERMOMARK THERMOMARK THERMOMARK THERMOMARK THERMOMARK THERMOMARK THERMOMARK THE		
for accommodating: UCT-TM, UCT1-TM, UCT5-TM, UCT-EM (5X10), UCT-EM (6X10) Magazine, for THERMOMARK CARD, for accommodating: UCT-TMF HERMOMARK CARD, for accommodating: UCT-WMS Plastic magazine, for THERMOMARK CARD, for accommo- dating: UCT1-TMF Plastic magazine, for THERMOMARK CARD, for accommo- dating: UCT2-TM HERMOMARK Plastic magazine, for THERMOMARK CARD, for accommo- dating: UCT2-TM THERMOMARK Magazine, for THERMOMARK CARD, for accommodating: UCT3-TM THERMOMARK Magazine, for THERMOMARK CARD, for accommodating: UCT3-TM THERMOMARK Magazine, for THERMOMARK CARD, for accommodating UCT-WMT sheets, UCT-EM (17X10) THERMOMARK Magazine, for THERMOMARK CARD for accommodating UCT-EM (17X3), UCT- EM (20X7), UCT-EM (15X10) for accommodating UCT-EM (17X10) and (20X8) THERMOMARK Magazine, for THERMOMARK CARD for accommodating UCT-EM (17X10) and (20X8) THERMOMARK Magazine, for THERMOMARK CARD for accommodating UCT-EM (10X5) for accommodating UCT-EM (10X8), UCT- EM (12X7) for accommodating UCT-EM (10X8), UCT- EM (12X8) Magazine, for THERMOMARK CARD for accommodating UCT-EM (10X8), UCT- EM (17X8) Magazine, for THERMOMARK CARD for accommodating UCT-EM (21X8) and UCT EM (17X8) Magazine, for THERMOMARK CARD for accommodating UCT-EM (21X8) and UCT EM (17X8) Magazine, for THERMOMARK CARD for accommodating UCT-EM (21X8) and CARCAMARK Magazine, for THE	Description	Туре
UCT-TMF       THERMOMARK         Magazine, for THERMOMARK CARD, for accommodating:       THERMOMARK         Plastic magazine, for THERMOMARK CARD, for accommodating:       THERMOMARK         Plastic magazine, for THERMOMARK CARD, for accommodating:       THERMOMARK         Plastic magazine, for THERMOMARK CARD, for accommodating:       THERMOMARK         VCT2-TM       THERMOMARK         Magazine, for THERMOMARK CARD, for accommodating:       THERMOMARK         UCT3-TM       THERMOMARK         Magazine, for THERMOMARK CARD, for accommodating:       THERMOMARK         Magazine, for THERMOMARK CARD, for accommodating:       THERMOMARK         Magazine, for THERMOMARK CARD, for accommodating UCT-EM (17X10)       THERMOMARK         Magazine, for THERMOMARK CARD, for accommodating UCT-EM (17X3), UCT-EM (12X3), UCT-EM (12X3), UCT-EM (12X3), UCT-EM (12X3), UCT-EM (12X3), UCT-EM (12X6)       THERMOMARK         Magazine, for THERMOMARK CARD, for accommodating UCT-EM (17X10) and (20X8)       THERMOMARK         Magazine, for THERMOMARK CARD, for accommodating UCT-EM (10X8), UCT-EM (12X7)       THERMOMARK         for accommodating UCT-EM (10X8), UCT-EM (17X8)       THERMOMARK         Magazine, for THERMOMARK CARD, for accommodating UCT-EM (17X8)       THERMOMARK         Magazine, for THERMOMARK CARD, for accommodating UCT-EM (12X8) and       THERMOMARK      <	for accommodating: UCT-TM, UCT1-TM,	THERMOMARK
UCT-WMS       THERMOMARK         Plastic magazine, for THERMOMARK CARD, for accommodating: UCT1-TMF       THERMOMARK         Plastic magazine, for THERMOMARK CARD, for accommodating: UCT2-TM       THERMOMARK         Magazine, for THERMOMARK CARD, for accommodating: UCT3-TM       THERMOMARK         Magazine, for THERMOMARK CARD, for accommodating: UCT3-TM       THERMOMARK         Magazine, for THERMOMARK CARD, for accommodating: UCT-WMT sheets, UCT-EM (17X10)       THERMOMARK         Magazine, for THERMOMARK CARD, for accommodating UCT-WMT sheets, UCT-EM (17X10)       THERMOMARK         Magazine, for THERMOMARK CARD for accommodating UCT-EM (15X10)       THERMOMARK         for accommodating UCT-EM (12X3.3), UCT-EM (12X6)       THERMOMARK         for accommodating UCT-EM (30X5)       THERMOMARK         for accommodating UCT-EM (10X8), UCT-EM (12X7)       THERMOMARK         for accommodating UCT-EM (10X8), UCT-EM (12X7)       THERMOMARK         for accommodating UCT-EM (10X5)       THERMOMARK         for accommodating UCT-EM (10X5)       THERMOMARK         for accommodating UCT-EM (12X8) and       THERMOMARK         Magazine, for THERMOMARK CARD for accommodating UCT-EM (21X8) and       THERMOMARK         for accommodating UCT-EM (21X8) and       THERMOMARK         Magazine, for THERMOMARK CARD for accommodating UCT-EM (20X 9)	UCT-TMF	THERMOMARK
dating: UCT1-TMF       THERMOMARK         Plastic magazine, for THERMOMARK CARD, for accommodating: UCT2-TM       THERMOMARK         Magazine, for THERMOMARK CARD, for accommodating: UCT3-TM       THERMOMARK         Magazine, for THERMOMARK CARD, for accommodating: UCT3-TM       THERMOMARK         Magazine, for THERMOMARK CARD, for accommodating: UCT-TWMT sheets, UCT-EM (17X10)       THERMOMARK         Magazine, for THERMOMARK CARD, for accommodating UCT-EM (17X10)       THERMOMARK         Magazine, for THERMOMARK CARD       for accommodating UCT-EM (17X10)         for accommodating UCT-EM (12X3.3), UCT-EM (12X3), UCT-EM (12X6)       THERMOMARK         for accommodating UCT-EM (17X10) and (20X8)       THERMOMARK         Magazine, for THERMOMARK CARD for accommodating UCT-EM (17X10) and (20X8)       THERMOMARK         Magazine, for THERMOMARK CARD for accommodating UCT-EM (10X8), UCT-EM (12X7)       THERMOMARK         for accommodating UCT-EM (10X8), UCT-EM (12X7)       THERMOMARK         for accommodating UCT-EM (10X5)       THERMOMARK         for accommodating UCT-EM (10X8), and UCT-EM (12X8) and UCT EM (17X8)       THERMOMARK         Magazine, for THERMOMARK CARD for accommodating UCT-EM (21X8) and UCT EM (17X8)       THERMOMARK         Magazine, for THERMOMARK CARD for accommodating UCT-EM (20X9)       THERMOMARK		THERMOMARK
Plastic magazine, for THERMOMARK CARD, for accommodating: UCT2-TM       THERMOMARK         Magazine, for THERMOMARK CARD, for accommodating: UCT3-TM       THERMOMARK         Magazine, for THERMOMARK CARD, for accommodating: UCT3-TM       THERMOMARK         Magazine, for THERMOMARK CARD, for accommodating: UCT-WMT sheets, UCT-EM (17X10)       THERMOMARK         Magazine, for THERMOMARK CARD, for accommodating UCT-EM (17X10)       THERMOMARK         Magazine, for THERMOMARK CARD       THERMOMARK         for accommodating UCT-EM (12X3.3), UCT-       THERMOMARK         EM (12X6)       THERMOMARK         for accommodating UCT-EM (12X3.3), UCT-       THERMOMARK         EM (12X6)       THERMOMARK         for accommodating UCT-EM (17X10) and (20X8)       THERMOMARK         Magazine, for THERMOMARK CARD       THERMOMARK         for accommodating UCT-EM (10X8), UCT-       THERMOMARK         for accommodating UCT-EM (10X8), and       THERMOMARK         for accommodating UCT-EM (21X8) and       THERMOMARK         Magazine, for THERMOMARK CARD       for accommodating UCT-EM (20 x 9)		THERMOMARK
Magazine, for THERMOMARK CARD, for accommodating: UCT3-TM       THERMOMARK         Magazine, for THERMOMARK CARD, for accommodating UCT-VMT sheets, UCT-EM (17X10)       THERMOMARK         Magazine, for THERMOMARK CARD for accommodating UCT-EM (17,5X8), UCT- EM (20X7), UCT-EM (15X10)       THERMOMARK         for accommodating UCT-EM (12X3.3), UCT- EM (20X7), UCT-EM (15X10)       THERMOMARK         for accommodating UCT-EM (30X5)       THERMOMARK         for accommodating UCT-EM (17X10) and (20X8)       THERMOMARK         Magazine, for THERMOMARK CARD for accommodating UCT-EM (10X8), UCT- EM (12X7)       THERMOMARK         for accommodating UCT-EM (10X8), UCT- EM (12X7)       THERMOMARK for accommodating UCT-EM (10X8), UCT- EM (12X7)       THERMOMARK         for accommodating UCT-EM (10X8), UCT- EM (12X7)       THERMOMARK for accommodating UCT-EM (10X8), UCT- EM (17X8)       THERMOMARK Magazine, for THERMOMARK CARD for accommodating UCT-EM (21X8) and UCT EM (17X8)       THERMOMARK THERMOMARK         Magazine, for THERMOMARK CARD for accommodating UCT-EM (20 x 9)       THERMOMARK		
Magazine, for THERMOMARK CARD, for accommodating UCT-WMT sheets, UCT-EM (17X10)       THERMOMARK         Magazine, for THERMOMARK CARD for accommodating UCT-EM (17,5X8), UCT-       THERMOMARK         for accommodating UCT-EM (17,5X8), UCT-       THERMOMARK         EM (20X7), UCT-EM (15X10)       THERMOMARK         for accommodating UCT-EM (12X3.3), UCT-       THERMOMARK         EM (12X6)       THERMOMARK         for accommodating UCT-EM (30X5)       THERMOMARK         for accommodating UCT-EM (17X10) and (20X8)       THERMOMARK         Magazine, for THERMOMARK CARD for accommodating UCT-EM (10X8), UCT-       THERMOMARK         for accommodating UCT-EM (10X8), UCT-       THERMOMARK         EM (12X7)       THERMOMARK CARD for accommodating UCT-EM (10X8), and       THERMOMARK         Magazine, for THERMOMARK CARD for accommodating UCT-EM (21X8) and       THERMOMARK       THERMOMARK         Magazine, for THERMOMARK CARD for accommodating UCT-EM (20 x 9)       THERMOMARK       THERMOMARK		
Magazine, for THERMOMARK CARD       THERMOMARK CARD         for accommodating UCT-EM (17,5X8), UCT-       THERMOMARK         EM (20X7), UCT-EM (15X10)       THERMOMARK         for accommodating UCT-EM (12X3.3), UCT-       THERMOMARK         EM (12X6)       THERMOMARK         for accommodating UCT-EM (12X3.3), UCT-       THERMOMARK         EM (12X6)       THERMOMARK         for accommodating UCT-EM (17X10) and (20X8)       THERMOMARK         Magazine, for THERMOMARK CARD       THERMOMARK         for accommodating UCT-EM (10X8), UCT-       THERMOMARK         EM (12X7)       THERMOMARK         for accommodating UCT-EM (10X8), UCT-       THERMOMARK         Magazine, for THERMOMARK CARD       THERMOMARK         for accommodating UCT-EM (10X8)       THERMOMARK         for accommodating UCT-EM (21X8) and       THERMOMARK         UCT EM (17X8)       Magazine, for THERMOMARK CARD         for accommodating UCT-EM (20 x 9)       THERMOMARK		THERMOMARK
for accommodating UCT-EM (17,5X8), UCT- EM (20X7), UCT-EM (15X10) for accommodating UCT-EM (12X3.3), UCT- EM (12X6) for accommodating UCT-EM (30X5) for accommodating UCT-EM (30X5) for accommodating UCT-EM (17X10) and (20X8) Magazine, for THERMOMARK CARD for accommodating UCT-EM (10X8), UCT- EM (12X7) for accommodating UCT-EM (10X5) for accommodating UCT-EM (10X5) for accommodating UCT-EM (21X8) and UCT EM (17X8) Magazine, for THERMOMARK CARD for accommodating UCT-EM (20 x 9) THERMOMARK	Magazine for THEDMOMARY CARD	THERMOMARK
EM (12X6) for accommodating UCT-EM (30X5) for accommodating UCT-EM (17X10) and (20X8) Magazine, for THERMOMARK CARD for accommodating UCT-EM (10X8), UCT- EM (12X7) for accommodating UCT-EM (10X5) for accommodating UCT-EM (21X8) and UCT EM (17X8) Magazine, for THERMOMARK CARD for accommodating UCT-EM (20 × 9) THERMOMARK	for accommodating UCT-EM (17,5X8), UCT-	THERMOMARK
for accommodating UCT-EM (30X5) for accommodating UCT-EM (17X10) and (20X8) Magazine, for THERMOMARK CARD for accommodating UCT-EM (10X8), UCT- EM (12X7) for accommodating UCT-EM (10X5) for accommodating UCT-EM (10X5) for accommodating UCT-EM (21X8) and UCT EM (17X8) Magazine, for THERMOMARK CARD for accommodating UCT-EM (20 x 9) THERMOMARK		THERMOMARK
for accommodating UCT-EM (10X8), UCT- EM (12X7) for accommodating UCT-EM (10X5) for accommodating UCT-EM (10X5) for accommodating UCT-EM (21X8) and UCT EM (17X8) Magazine, for THERMOMARK CARD for accommodating UCT-EM (20 x 9) THERMOMARK	for accommodating UCT-EM (30X5)	
for accommodating UCT-EM (10X5)     THERMOMARK       for accommodating UCT-EM (21X8) and     THERMOMARK       UCT EM (17X8)     THERMOMARK       Magazine, for THERMOMARK CARD     for accommodating UCT-EM (20 x 9)	for accommodating UCT-EM (10X8), UCT-	THERMOMARK
Magazine, for THERMOMARK CARD         THERMOMARK CARD           for accommodating UCT-EM (20 x 9)         THERMOMARK	for accommodating UCT-EM (10X5) for accommodating UCT-EM (21X8) and	
	Magazine, for THERMOMARK CARD for accommodating UCT-EM (20 x 9)	

#### **Printing systems**

# Magazine for THERMOMARK CARD and THERMOMARK CARD PLUS





Thermal transfer for sheets and cards

Magazine, for THERMOMARK CARD..., for accommodating all US-... materials

Description

- 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

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

#### **Printing systems**

# 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:

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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 rolls



Description	Color
Thermal transfer printer for material off the roll, including pean power cable, US power cable, USB cable, DVD with CLIP PROJECT ADVANCED, CD with multilingual manual/driver/firmware, A5 printed English/German user manual, one roll of EML (20x8) labels containing 1000 labels, one ink ribbon (50 meters)	·
	giay
Cutter, can be retrofitted, for precise cutting of continuous m into required lengths	iedia
Cutter, can be retrofitted, for perforating continuous media	
Transport case	
External media hub, for roll diameters of 150 mm to 305 mm	n
External media hub, for roll diameters of up to 500 mm	
Ink ribbon, length: 300 m, width: 110 mm	
	black blue green red
Ink ribbon, specifically for high-temperature labels, EML-HT	·
	black
Ink ribbon, specifically for WMS shrink sleeves, length: 30 width: 110 mm	00 m,
	black white
Ink ribbon, specifically for WMS shrink sleeves, length: 30 width: 64 mm	00 m,



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THERMOMARK-ERH 500

THERMOMARK-RIBBON 110

THERMOMARK-RIBBON 110 BU

THERMOMARK-RIBBON 110 GN

THERMOMARK-RIBBON 110 RD

THERMOMARK-RIBBON 110-EML-HT

THERMOMARK-RIBBON 110-WMSU

THERMOMARK-RIBBON 110-WMSU

THERMOMARK-RIBBON 64-WMSU

THERMOMARK-RIBBON 64-WMSU

wн

WH

black

white

	Techn	ical dat	a	
Width	Length	Height		
253	320	189		
4 MS Window	50 Hz 60 Hz s XP SP3, MS Windo s 8 (32/64-bit)	ows Vista, M	IS Windows 7 (	32/64-bit);
	Order	ing dat	a	
Туре			Order No.	Pcs. / Pkt.
THERMOM	ARK ROLL		5146477	1
THERMOM		ssories	••••	1
THERMOM		ssories	••••	1
			••••	1
THERMOM	Acce	R	;	
THERMOM	Acce	R	5146422	1

5146309

5145384

0829544

0829542

0829543

0800342

0801358

0801359

0801360

0801361

1

1

1

1

1

Courtesy of Steven Engineering, Inc (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com	

#### **Printing systems**

# 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)



Thermal transfer for rolls

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	

Description	Color
Thermal transfer printer for material off the roll, includin pean power cable, US power cable, USB cable, DVD with CLIP PROJECT ADVANCED, CD with multilingua manual/driver/firmware, A5 printed English/German user manual, one roll of EML (20x8) labels containing 1000 labels, one ink ribbon (50 meters)	0
Cutter, can be retrofitted, for precise cutting of continuous n into required lengths	nedia
Perforation device, can be retrofitted, for perforating and c continuous media	utting
Label dispenser, dispensing device for labels with a height 10 mm or more	of
Ink ribbon, length: 300 m, width: 110 mm	
	black blue green red
Ink ribbon, specifically for high-temperature labels, EML-H	
	black
Ink ribbon, specifically for WMS shrink sleeves, length: 3	
width: 110 mm	black white
Ink ribbon, specifically for WMS shrink sleeves, length: 3 width: 64 mm	00 m,
wuur. 04 mm	black white
Ink ribbon, specifically for cable markers for assembly with binders, WMTB HF, length: 300 m, width: 110 mm	cable
	black
Transport case	silver
Transport case	silver



Technical data				
Width 264	Length Height 412 245			
204	412 243			
5 40 300 dpi				
104				
1000	ps Ethernet / USB 2.0			
	/ 50 Hz 60 Hz			
5		MO M(malana 7 //	00/04 1-34	
	vs XP SP3, MS Windows Vista, vs 8 (32/64-bit)	WS WINDOWS 7 (3	32/64-Dit),	
	Ordering da	ta		
Туре		Order No.	Pcs./	
.,,,,			Pkt.	
THERMON	IARK ROLL X1	5146723	1	
Accessories				
THERMON	ARK ROLL X1 CUTTER	5146765	1	
	ADV DOLL V4 OUTTED/D	E146766	-	
THERMON	IARK ROLL X1 CUTTER/P	5146766	1	
THERMON	IARK ROLL X1 -DISPENSER		1	
THERMON	IARK ROLL X1 -DISPENSER IARK-RIBBON 110	1014401	1	
THERMON THERMON THERMON	IARK ROLL X1 -DISPENSER	1014401	1	
THERMON THERMON THERMON THERMON	IARK ROLL X1 -DISPENSER IARK-RIBBON 110 IARK-RIBBON 110 BU	1014401 5145384 0829544	1	
THERMON THERMON THERMON THERMON	IARK ROLL X1 -DISPENSER IARK-RIBBON 110 IARK-RIBBON 110 BU IARK-RIBBON 110 GN	1014401 5145384 0829544 0829542	1 1 1 1 1 1 1	
THERMON THERMON THERMON THERMON	IARK ROLL X1 -DISPENSER IARK-RIBBON 110 IARK-RIBBON 110 BU IARK-RIBBON 110 GN	1014401 5145384 0829544 0829542	1 1 1 1 1 1	

THERMOMARK-RIBBON 110-WMSU

THERMOMARK-RIBBON 110-WMSU

THERMOMARK-RIBBON 64-WMSU

THERMOMARK-RIBBON 64-WMSU

THERMOMARK-RIBBON 110-WMTB

THERMOMARK ROLL X1-CASE

wн

wн

0801358

0801359

0801360

0801361

5148007

5146724

1

1

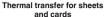
**Printing systems** 

#### **THERMOMARK** printer sets









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 PROFES- SIONAL 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 PROFES- SIONAL			
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 key- board	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 systems** 



Printing set for cards



Printing set for material provided on rolls

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Ordering data		Ordering data			
Туре	Order No.	Pcs. / Pkt.	Туре	Order No.	Pcs. / Pkt.
THERMOMARK CARD SET	5147200	1			
THERMOMARK CARD SET EN	5147201	1			
			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			Accessories	;	

For additional information, visit www.phoenixcontact.net/products PHOENIX CONTACT Courtesy of Steven Engineering, Inc. - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com 41

#### **Printing systems**

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



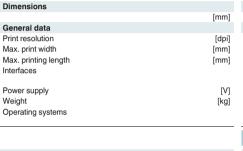
An important addition to the range is the THERMOMARK X1.2, a top-of-the-line thermal transfer printer with the following key features:

- 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 rolls



Thermal transfer printer, incl. connecting cable, Windows® printer driver and operating instructions, software

Description

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 acces	sories
External media hub, for roll diameters of 150 mm to 305 mm	n
External media hub, for roll diameters of up to 500 mm	
Ink ribbon, length: 300 m, width: 110 mm	black
Ink ribbon, specifically for high-temperature labels, EML-HT	
	black
Ink ribbon, specifically for WMS shrink sleeves, length: 30 width: 110 mm	0 m,
	black white
Ink ribbon, specifically for WMS shrink sleeves, length: 30 width: 64 mm	0 m,
	black white



#### P

Color

gray

Technical data					
Width	Length	Height			
242	446	274			
300 dpi 105 2000 Serial (V.24	105				
10 MS Window	/ 50 Hz 60 Hz rs XP SP3, MS Wind	ows Vista, N	1S Windows 7 (	32/64-bit),	
MS Window	rs 8 (32/64-bit) Orde	ring dat	а		
	er de	ing aat	[	Ι	
Туре			Order No.	Pcs. / Pkt.	
THERMON	IARK X1.2		5146231	1	
	Acc	essories	;		
THERMON	IARK X1.2-KIT		5146341	1	
THERMON	IARK X1-CUTTER		5145290	1	
THERMON	ARK X1-CUTTER	/P	5146244	1	
THERMON	IARK X1-CASE		5145300	1	
THERMOM	IARK ROLL-ERH		5146448	1	
THERMON	IARK-ERH 500		5146309	1	
THERMON	ARK-RIBBON 110	)	5145384	1	
THERMON	IARK-RIBBON 110	)-EML-HT	0800342	1	
	IARK-RIBBON 110 IARK-RIBBON 110		0801358 0801359	1 1	

THERMOMARK-RIBBON 64-WMSU

THERMOMARK-RIBBON 64-WMSU

WH

0801360

0801361

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#### **Printing systems**

#### **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

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

Description Thermal transfer printer, specially for shrink sleeve labeling on both sides, including perforation knife, connecting cable, Win dows® printer driver, operating instructions, CLIP PROJECT advanced planning and marking software

gray External media hub, for roll diameters of 150 mm to 305 mm 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: 300 m, width: 110 mm black white Ink ribbon, specifically for WMS... shrink sleeves, length: 300 m, width: 64 mm



#### **P**C7

Color

black white

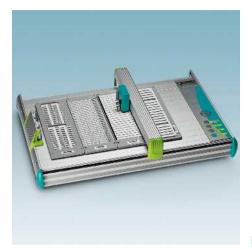
Technical data			
Width	Length	Height	
248	554	405	
300 dpi 105.6 1000 Serial (V.24 (RS-232)) / USB 2.0 / 10/100 Mbps Ethernet			
100 240 / 50 Hz 60 Hz 21			
MS Windows XP SP3, MS Windows Vista, MS Windows 7 (32/64-bit), MS Windows 8 (32/64-bit)			
Ordering data			

Ordering data				
Туре	Order No.	Pcs. / Pkt.		
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 1		



**Printing systems** 

#### CMS-P1-PLOTTER





Plotter



**Technical data** 

MS Windows XP SP3, MS Windows Vista, MS Windows 7 (32/64-bit),

**Ordering data** 

Pcs. / Pkt.

Order No.

Height

125

Length

660

Parallel (Centronics) / USB 2.0 100 ... 240 / 50 Hz ... 60 Hz

MS Windows 8 (32/64-bit)

<b>.</b>	
- During long periods of non-use, the plot-	General data
ter pens are stored safely in a pen station	Lettering field size Max. material heig
<ul> <li>The pens are removed and deposited au-</li> </ul>	Max. plotting spee

- tomatically - 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

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	

Description	Color
Description	Color

Marking plotter, incl. power supply unit, connecting cable (Centronics and USB), pen CMS-PEN 0,25, manual, planning and marking software

silver	CMS-P1-PLOTTER	5144615	1
	Accessories	;	
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	CMS-P1-PLOTTER-KIT	5144628	1
Transport case for CMS-P1-PLOTTER, rounded profile case with aluminum frame for a complete plotter system			
	CMS-P1-PLOTTER-CASE	5144631	1
Covering hood for CMS-P1-PLOTTER, flexible hood for protect- ing against contamination	CMS-P1-PLOTTER-COVER	5144806	1
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		5144835	
	CMS-P1-PENDEPOT	5144835	
Pen plates, for the pen station of the CMS-P1-PLOTTER	CMS-P1-PREPLATES	5145135	1
Magazines and pens	See page 46	•	•

Width

440

10.5

0.4

8

Туре

440 x 296 mm



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#### **Printing systems**

#### **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

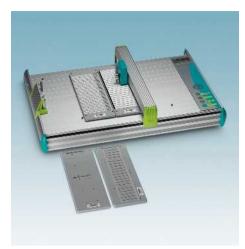


		Technical data				
Dimensions		Width	Length	Height		
Dimensions	[mm]	250	350	rieigin		
General data	[IIIII]	200	000			
Power supply	[V]	110 240 / 50	Hz 60 Hz			
Weight	[kg]	8				
Speed range	[RPM]	5000 50000				
Collet chuck	[mm]	3				
Power consumption	[W]	150				
			Orde	ering dat	а	
Description		Туре			Order No.	Pcs. /
		.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				Pkt.
Engraving unit, for the CMS-P1-PLOTTER, incl. operatin tions (English/German), data CD and engraving chisel	ig instruc-					
		P1 ENGRAVIN	NG UNIT		5145546	1
		Accessories				
Engraving chisel, with a point angle of $15^{\circ}$						
Point diameter 0.2 mm		P1 GRAVER 0	2		5145478	1
Point diameter 0.2 mm		P1 GRAVER 0			5145481	1
Point diameter 0.4 mm		P1 GRAVER 0			5145494	1
Point diameter 0.5 mm		P1 GRAVER 0			5145504	1
Point diameter 0.7 mm		P1 GRAVER 0			5145517	1
Point diameter 1.0 mm		P1 GRAVER 1	.0		5145520	1
Engraving chisel set, chisel with a point angle of 15°, po eter: 0.2 mm, 0.3 mm, 0.4 mm, 0.5 mm, 0.7 mm, 1.0 mm	int diam-					
		P1 GRAVER S	ET		5145533	1
Vacuum cleaner bag, 5 spare bags for replacement						
		P1 ENGRAVIN	IG VC BAG		5145559	1
Magazine for the CMS-P1-PLOTTER, for accommodatine EMLP and GPE materials for engraving	ng					
- 1 GPE label sheet		CMS-P1-M/GF	E ENGRAVIN	G	5145711	1



**Printing systems** 

#### Magazines for CMS-P1-PLOTTER



 Robust plastic magazines for labeling all commercially available marking materials Description

- 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

Magazine, for CMS-P1-PLOTTER, for accommodating: UC-TM , UC-TMN, UC3-TM, UC-WMC 1,9, UC-WMC 3,1, UC WMTBA, UC-EM (17,5x9), UC-EM (18x8), UC-EM (21x8)	
gra	av P1U
For accommodating UC–WMC 4,4 gra	
For accommodating UC–WMC 5,6, gra	
For accommodating UC–TMF, UC1–TMF, gra UC2F–TM, UC–WMT	ay <b>P1 U</b>
For accommodating UC1–TM, UC1U–TM, gra UC2–TM	ay P1U
For accommodating: UC–EM, UC–EMP, gra UC–EMLP, UC–EMSP, and UC–WMTB	ay P1U
For accommodating: UC–WMCO gra	ay P1U
Plastic magazines, for CMS-P1-PLOTTER, for accommodating - 22 zack marker strips	:
- 26 flat zack marker strips or ZBN strips	CMS CMS
- 2 zack marker sheets	CMS
- 3 flat zack marker sheets	CMS
- 22 contactor marker zack marker strips	CMS
- 4 to 6 PABA marker bars	CMS
- 30 marker pins ZB strips	CMS
- 1 GPE label sheet	CMS
- 20 strips LBHZ conductor marking	CMS
- 1 GPE label sheet	CMS
Magazine for accommodating sheet material, self-adhesive mat for fixing labels, foils and paper, size of sheet max. DIN A4	
	CMS
Adapter plate for WMU magazines, for using the universal CMS-WMU replaceable frame with the magazine inserts of the CMS-MCP 3 plotter	CMS
Replacement fixation pad for CMS-P1-M/ZBFM, 9 self-adhesiv	
fixation pads, sufficient for 3 magazines	CMS
Replacement fixation pad for CMS-P1-M/GPE and CMS-P1-	0.013
M/GPE ENGRAVING, one fixation pad, sufficient for one magazir	ie

Replacement fixation pad for CMS-P1-PAD, 1 fixation pad in DIN A4 format



	Ordering data					
Color	Туре	Order No.	Pcs. / Pkt.			
: UC–TM 3,1, UC- (21x8)						
gray gray gray	P1 UC-MAG 1 P1 UC-MAG 2 P1 UC-MAG 3	5146079 5146082 5146095	1 1 1			
gray	P1 UC-MAG 4	5146105	1			
gray	P1 UC-MAG 5	5146118	1			
gray	P1 UC-MAG 6	5146121	1			
gray	P1 UC-MAG 7	5146568	1			
modating:						
	CMS-P1-M/ZB CMS-P1-M/ZBF	5144699 5144709	1 1			
	CMS-P1-M/ZBM	5144660	1			
	CMS-P1-M/ZBFM CMS-P1-M/SS-ZB	5144686 5144712	1 1			
	CMS-P1-M/SS-ZB CMS-P1-M/PAB	5144712	1			
	CMS-P1-M/BN-ZB	5144725	1			
	CMS-P1-M/GPE	5144754	1			
	CMS-P1-M/LBHZ	5144738	1			
	CMS-P1-M/GPE ENGRAVING	5145711	1			
dhesive DIN A4						
	CMS-P1-PAD	5144819	1			
	Accessories	;				
ersal s of the						
	CMS-P1-WMU-ADAPTER	5144822	1			
f-adhesive	CMS-P1-M/ZBFM-PAD	5144848	1			
<b>MS-P1-</b> e magazine		5144040	I			
	CMS-P1-M/GPE-PAD	5144880	1			
n pad in	CMS-P1-PAD/SPARE	5144893	1			

#### **Printing systems**

#### **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

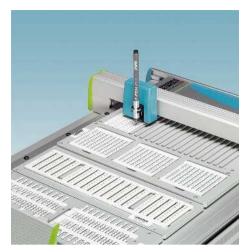
		Ordering det	•		
		Ordering data			
Description	Color	Туре	Order No.	Pcs. / Pkt.	
Disposable plotter pen, non-refillable plotter pen, with pen station, completely filled with 1 ml CMS-INK-TR-C 5 ink, for h requirements					
Line thickness 0.25 mm	black	CMS-DISPOSABLE-PEN 0,25 TR	5146685	1	
Line thickness 0.35 mm	black	CMS-DISPOSABLE-PEN 0,35 TR	5146686	1	
Pens, incl. adapters, ink tank and pen station, for different lin thicknesses, without ink	e				
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			
<b>Cleaning set for pens</b> , consisting of: 1 cleaning cup, 2 cartr 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	, each				
trans	parent	CMS-R-FLUID-TR-C2	5146752	1	
Ink cartridge, for CMS-PEN					
	black	CMS-INK-TR-C5	5146684	1	





**Printing systems** 

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

Description

Disposable pen, non-refillable, for manual labeling, can be also used for plotter marking when combined with the P-PEN ADAPTER

Aluminum adapter, to fix the P-PEN for plotter marking



	Ordering data							
Color	Туре	Order No.	Pcs. / Pkt.					
e also								
black	P-PEN	0815211	10					
	Accessories							
	P-PEN ADAPTER	0815224	1					

#### **Printing systems**

#### Marker pen for manual labeling



	Ordering data						
r	Туре	Order No.	Pcs. / Pkt.				
(	X-PEN 0,35	0811228	1				
	Accessories						
¢	CMS-INK-TR-C5	5146684	1				

Color

black

black

- 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

#### 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



Description	Color
Marker pen, not refillable, for manual labeling, line thicknes mm	s 0.5
	black

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

Marker pen, refillable, for manual labeling, 0.35 mm line thickness, can be refilled with CMS-INK-TR-C 5, delivered without ink

Description

Ink cartridge, for CMS-PEN...

**Printing systems** 

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

Conductor/cable marking				
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

Printing systems

THERMOMARK ROLL XI       THERMOMARK X1.2       THERMOMARK W2       CMS-P1-PLOTTER       PI ENGRAVING UNIT         THERMOMARK ROLL XI       THERMOMARK X1.2       THERMOMARK W2       CMS-P1-PLOTTER       PI ENGRAVING UNIT         THERMOMARK ROLL XI       THERMOMARK X1.2       THERMOMARK W2       CMS-P1-PLOTTER       PI ENGRAVING UNIT         THERMOMARK ROLL XI       THERMOMARK X1.2       THERMOMARK W2       CMS-P1-PLOTTER       PI ENGRAVING UNIT         THERMOMARK ROLL XI       THERMOMARK W2       Page 88       Page 88       PI ENGRAVING UNIT         THERMOMARK ROLL XI       THERMOMARK W2       Page 88       Pige 88       Pige 88       Pige 88				y 123 X	Ţ
Image 58       Page 58         Page 62       Page 62         Page 64       Page 64         Image 76       Page 94         Page 98       Page 98					
Page 94       Page 98         Page 92       Page 98	THERMOMARK ROLL X1	THERMOMARK X1.2	THERMOMARK W2	CMS-P1-PLOTTER	P1 ENGRAVING UNIT
Page 94       Page 98         Page 92       Page 98					
Page 66         Page 66         Page 118					
Image 24Page 94Page 98Page 98					
Image: Page 94     Page 98       Image: Page 98     Page 98				Page 66	
Image: Page 94     Page 98       Page 98     Page 98					
Image: Page 94     Page 98       Page 98     Page 98					
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Page 94     Page 94       Page 98     Page 98					
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Page 94Page 94Page 98Page 98				Page 68	
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Page 210	Page 210		

**Printing systems** 

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

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**Printing systems** 

			<b>y</b> 123 <b>x</b>	Ţ
THERMOMARK ROLL X1	THERMOMARK X1.2	THERMOMARK W2	CMS-P1-PLOTTER	P1 ENGRAVING UNIT

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Page 282	Page 282		
Page 284	Page 284		
Page 286	Page 286		
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