

GERMAN
PACKAGING
AWARD 2015

Two- Color Print and Apply System HermesC

DE KONINGH
CODING & LABELING

Made in Germany

Two-color printing and applying in real-time

Hermes C is the first labeling system worldwide to print and apply two-color labels in one operation. It has been developed and optimized especially for applications corresponding to the new Classification and Labeling Inventory according to GHS.

Due to the integrated backfeed system single labels can be printed and applied on request without loss of labels.

All shapes of packaging can be marked, for example bottles, cans, drums, buckets, cardboard or pallets.

Because of the modular construction system Hermes C offers a proper solution for every application.



- **Designed for industrial application**
- **Simple integration in production lines**
- **Interfaces to connect to ERP and Process Control Systems are available**

When it comes to marking chemicals and hazardous substances, GHS and REACH demand new, standardized pictograms. The guidelines apply worldwide.

As part of this standardization, imperfectly printed danger symbols, for example blank rhombs, are not permitted any longer.

With Hermes C labels can be individually designed and printed.

For your application we provide labels and ribbons, BS5609/3 certified as well (see page 11).

Sample label

GLUTARALDEHYDE SOLUTION 50%

23005 QTY NET 1 KG 0,88 L. BATCH: test281114

UN 3265
CLASS 8 E2

CORROSIVE LIQUID, ACIDIC, ORGANIC,
N.O.S., Glutaraldehyde
CAS: 111-30-8

DANGER **Hazardous Statements** Very toxic to aquatic life. May cause respiratory irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction. Causes severe skin burns and eye damage. Toxic if swallowed or if inhaled. Harmful to aquatic life with long lasting effects. **Precautionary Statements** Avoid breathing dust / fume / gas / mist / vapors / spray. Wear protective gloves / protective clothing / eye protection / face protection. In case of inadequate ventilation wear respiratory protection. IF SWALLOWED: immediately call a POISON CENTER or doctor / physician. IF ON SKIN (or hair): remove / take off immediately all contaminated clothing. Rinse skin with water / shower. IF IN EYES: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor / physician. If experiencing respiratory symptoms: call a POISON CENTER or doctor / physician. Store in a well-ventilated place. Keep container tightly closed. Contains 1,5-pentanedial

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All information on scopes of delivery, design and technical specifications correspond to the date of the printing. Subject to change. For current data see website www.cab.de/en/hermes-c.

Technical data

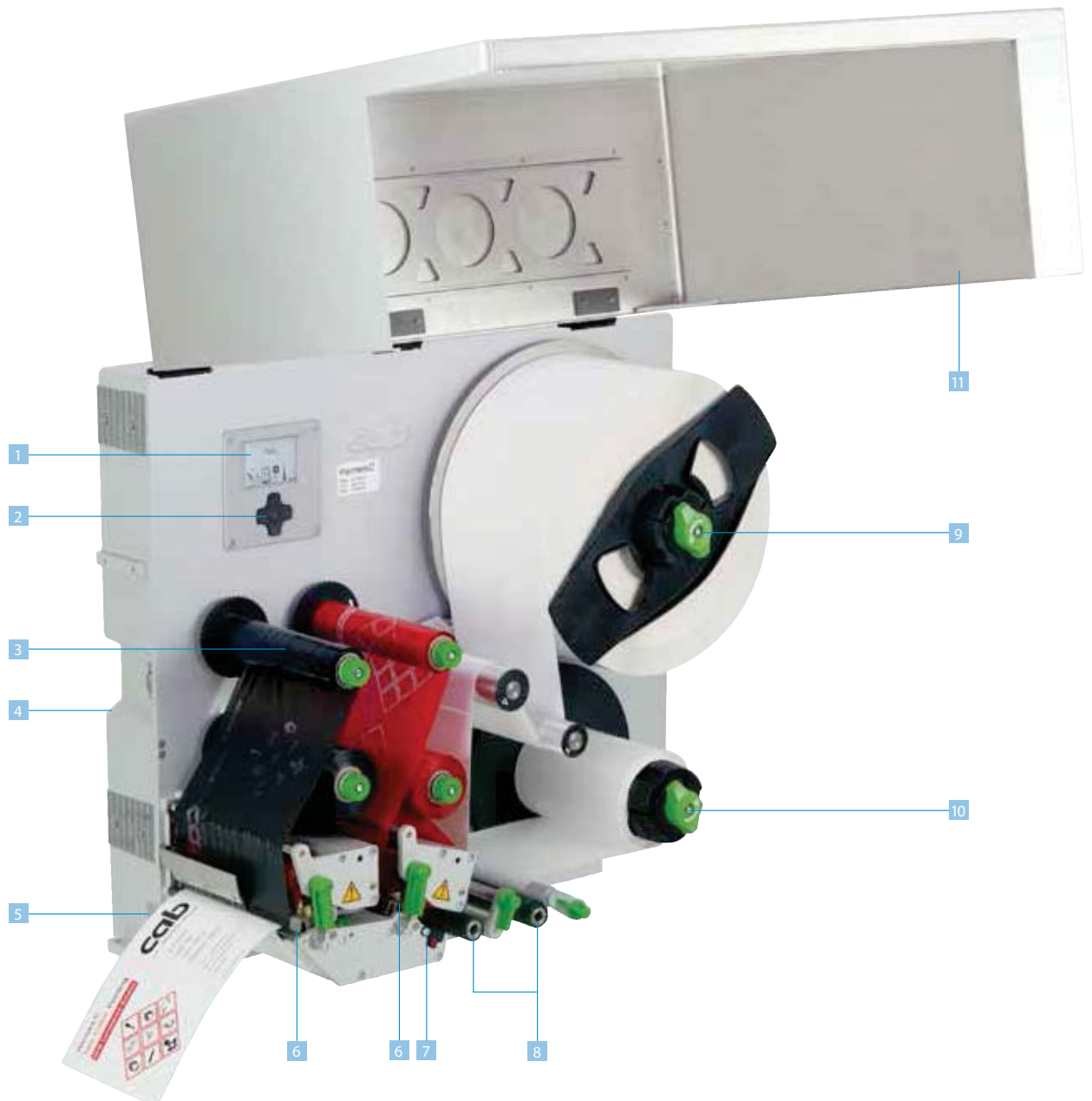
		1.1
Label printer		Hermes C 6L/300-3
Print head		
Method of printing		Thermal transfer
Printable resolution	dpi	300
Print speed	up to mm/s	125
Print width	up to mm	162.6
Material		
Labels on rolls	Paper, plastics such as PET, PE, PP, PVC, PU, acrylate, PI	
Thickness mm/weight	g/m ²	0.05-0.2/60-160
Width labels ¹⁾	mm	46 -176
liner	mm	50-180
Label height	mm	20-356
Media roll	outer diameter	up to mm
	core diameter	mm
	winding	Outside or inside
Ribbon		
Ink		Outside or inside
Roll diameter	up to mm	80
Core diameter	mm	25
Ribbon length	up to m	450
Width ²⁾	up to mm	165
Ribbon saver print head 1		■
Internal rewinder		
Outer diameter	up to mm	210
Core diameter	mm	76
Dimensions and weight		
Height x depth x width		mm 550 x 630 x 315
Weight		approx. kg 30
Label sensor		
Gap sensor		For leading edge of label and end of material
Distance to locating edge	mm	4-47
Electronics		
Processor 32 bit clock rate	MHz	266
Main storage (RAM)	MB	64
IFFS printer memory	MB Flash	8
Slot for CompactFlash Type I		■
Battery buffer for real-time clock with printout of time and date/data storage when power off		■
Warning in case of error		■
Interfaces		
RS232C 1,200 to 230,400 baud/8 bit		■
USB 2.0 highspeed slave for PC		■
Ethernet 10/100 Base-T, LPD, RawIP printing, ftp printing, DHCP, HTTP, FTP, SMTP, SNMP, TIME, zeroconf, mDNS, SOAP		■
2x USB master for external operation panel, keyboard, scanner, service key		■
Warning light		■
Digital I/O		■
Connection of applicator		■
External E-Stop		■
Main valve for air pressure supply		■
Operating data		
Power supply		100 - 240 VAC ~ 50/60 Hz, PFC
Power consumption		up to W 300
Temperature/	operation:	5-40 °C/10-85 % not condensing
air humidity	stock:	0-60 °C/20-80 % not condensing
	transport:	-25-60 °C/20-80 % not condensing
Approvals		CE, FCC class A, CB, CCC, UL
Operation panel		
Push buttons/LED	Pause, feed, cancel, menu, enter, 4 x cursor	
LCD graphic display	Width 60 mm, height 40 mm, four lines of text	
Settings		
Time, date, digital or analog clock, language settings, device settings, print parameters, interfaces, security		
On display		
Data reception	Temperature print head	abc debug
Ethernet status	Memory card access	Input buffer
Use memory	Clock/date sheet	Ribbon remaining

■ Standard □ Optionally

Monitoring		
Stop print job	If end of ribbon, end of labels, print head open	
Prewarning	If end of ribbon, end of labels	
Test routines		
System diagnosis	When switched on, including print head testing	
Short status, status print	Fonts list, device list, WLAN status, label profile, test grid, monitor mode, PPP status	
Status reports	Printout on device settings, e.g. print length counter, runtime counter, request of status via software command, status messages on display, e.g. network error – no link, barcode error, etc.	
Fonts		
Font types	5 bitmap fonts including OCR-A, OCR-B and 3 vector fonts Swiss 721, Swiss 721 bold and monospace 821 internally available, TrueType fonts loadable. Optionally: Chinese (simplified), Thai	
Character sets	Windows 1250 to 1257, DOS 437, 737, 775, 850, 852, 857, 862, 864, 866, 869, EBC DIC 500, ISO 8859-1 to -10 and -13 to -16, WinOEM 720, UTF-8, Macintosh Roman, DEC MCS, K018-R. All Western and Eastern European, Latin, Cyrillic, Greek, Hebrew and Arabic characters are supported. Optionally: Chinese (simplified), Thai	
Bitmap fonts	Size of width and height 1-3 mm, zoom factors 2-10, orientation 0°, 90°, 180°, 270°	
TrueType fonts	Size of width and height 0,9-128 mm, variable zoom, orientation 360° in steps of 1°	
Font formats	Bold, italic, underlined, outline, inverse, depending on character fonts	
Font width	Variable	
Graphics		
Graphic elements	Lines, arrows, boxes, circles, ellipses, filled and filled with fading	
Graphic formats	PCX, IMG, BMP, TIF, MAC, GIF, PNG	
Barcodes		
Linear barcodes	Code 39, Code 93 Code 39 Full ASCII Code 128 A, B, C EAN 8, 13 EAN/UCC 128 EAN/UPC Appendix 2 EAN/UPC Appendix 5 FIM HIBC	Interleaved 2/5 Ident- and lead code of Deutsche Post Codabar JAN 8, 13 MSI Plessey Postnet RSS 14 UPC A, E, E0
2D codes	Aztec, Codablock F, Data Matrix, PDF 417, Micro PDF 417, UPS Maxicode, QR code, RSS 14 truncated, limited, stacked and stacked omnidirectional, EAN Data Matrix, GS1 Data Bar	
	All Codes are variable in height, module width and ratio. Orientation 0°, 90°, 180°, 270°. Optionally with check digit, printed characters and start/stop code, depending on type of code	
Software		
Programming	JScript direct programming abc Basic Compiler Database Connector	■ ■ ■
Monitoring/administration	Printer monitoring Administration Network Manager	■ ■
Label software	cablabel S3 Lite cablabel S3 Viewer cablabel S3 Pro cablabel S3 Print	■ ■ □ □
Windows drivers certified	32/64 bit for Windows Vista Windows 7 Windows 8 Windows 8.1 Windows 10	Server 2003 Server 2008 Server 2008 R2 Server 2012 Server 2012 R2
Stand-alone operation		■

¹⁾ The label size also depends on the type of applicator. Limitations may apply to small labels, thin materials or strong adhesives. Critical applications need to be tested and approved.
²⁾ Ribbon according to label width in order to avoid folding.

Technical details



- 1** Graphic display
The white backlight provides good readability. Depending on the installation position, the display may be turned in 90° steps.
- 2** Navigator pad
Simple, interactive menu control, only applicable functions are displayed by the day and night design. Along with the graphic display the menu navigation is easy to understand.
- 3** Ribbon holder
Quick and simple exchange of ribbon due to three-part tightening axles
- 4** Metal chassis
For the mounting of the modules it is made of torsion resistant die-cast aluminum.
- 5** Print positioning
The print position is automatically set after a new label roll has been inserted. The reference value is kept even if the device is switched off.
- 6** Print heads 1 and 2
The pressing force can be adjusted according to the label width.
- 7** Ribbon saver
At print head 1 the print head is lifted within the unprinted area and the ribbon is stopped during label feeding.
- 8** Transport system
Ball bearing mounted rollers provide high printing accuracy.
- 9** Label uninder
Due to the swing lever and an integrated brake the labels are unwound with constant tension.
- 10** Liner rewinder
The liner of a label roll is completely rewound after the labels have been peeled off. The steering axle enables an easy exchange of the label roll.
- 11** Cover
To protect from dust and damage a cover can be mounted.

Required interfaces



- 1 RS232C interface (restricted function)
- 2 USB 2.0 slave interface
- 3 Ethernet 10/100 Base-T interface with TCP/IP
- 4 Two USB master interfaces to connect an external operation panel, a keyboard, a scanner or a service key
- 5 Slot for a CompactFlash Type I memory card
- 6 Connection of a warning light :
The warning light displays the printer status.
 - Green Device switched on
 - Yellow Prewarning to end of label resp. ribbon
 - Red Error
- 7 Connection of a main valve for air pressure supply:
For centrally switching on or off the compressed air supply
- 8 Connection of an external E-Stop:
Along with a connected main valve this interface allows to interrupt compressed air supply in case of emergency.
- 9 Digital I/O interface:
25-pin Sub-D connector,
IEC 61131-2 type 3 compliant for inputs and outputs,
protected against reverse polarity, ESD up to 8 kV,
outputs current limited and short-circuit proof

Inputs	Outputs
Start printing and applying	Ready to operate
Reprint	Print data available
Label feed	Paper feed on
Delete print job	Prewarning end of ribbon
Pause	Prewarning end of label
Label dispensed	Error end of ribbon
Reset	Error end of label
Stop printing and applying	Label in dispensing position
Print first label	Basic position/upper end position
	Applying position/lower end position
	Common alarm

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