

GERMAN
PACKAGING
AWARD 2015

Two-Color Print and Apply System Hermes C

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

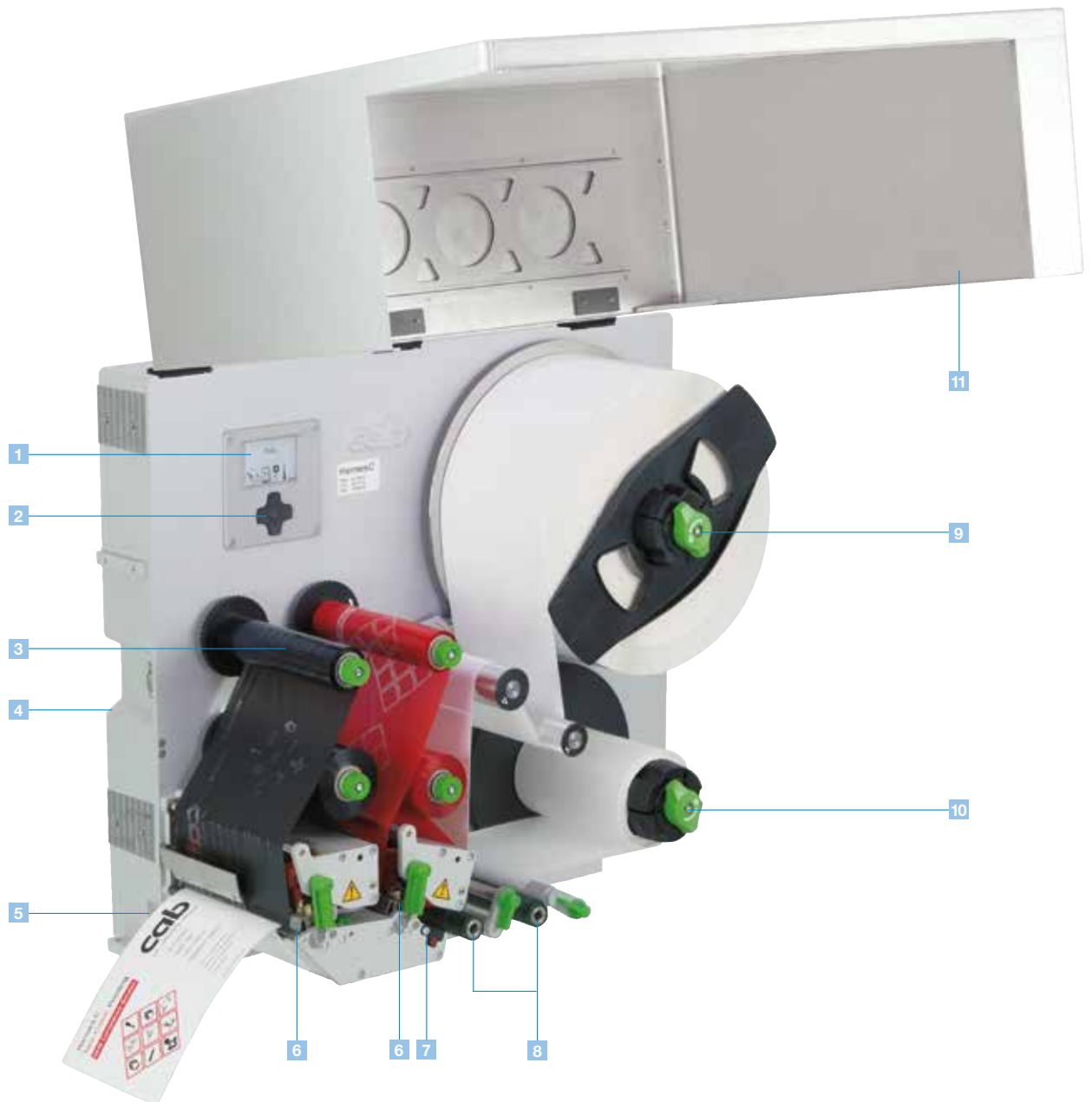
UN 3265 CORROSIVE LIQUID, ACIDIC, ORGANIC,
CLASS 8 E2 N.O.S., Glutaraldehyde
CAS: 111-30-8

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. The data provided in the catalog do not represent any warranty or guarantee. For current data see website www.cab.de/en/hermes

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 unwinder

Due to the swing lever and an integrated brake the labels are unwound with constant tension.

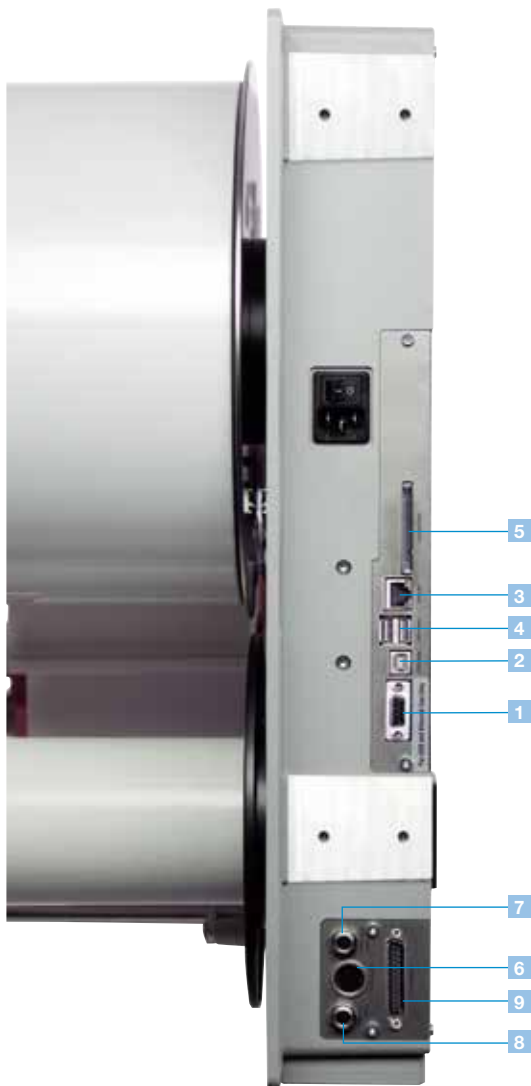
10 Liner rewinder

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 I/O interface:
25-pin Sub-D connector
Compliant with IEC/EN 61131-2, type 1+3;
all in- and outputs with galvanic isolation and reverse polarity protection, outputs in addition short circuit protected

Inputs PNP

- Start printing and applying
- Reprint
- Label feed
- Delete print job
- Pause
- Label dispensed
- Reset
- Stop printing and applying
- Print first label

Outputs PNP, NPN on request

- Ready to operate
- Print data available
- Paper feed on
- Prewarning end of ribbon
- Prewarning end of label
- Error end of ribbon
- Error end of label
- Label in dispensing position
- Basic position/upper end position
- Applying position/lower end position
- Common alarm

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 |
| Material backfeed | speed mm/s | 100 (default setting) |
| | distance mm | 115 |
| Media roll | outer diameter up to mm | 305 |
| | core diameter mm | 76 |
| | 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 320 |
| 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 | ■ | |
| I/O interface | ■ | |
| 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

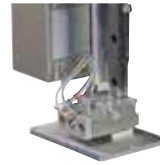
| Monitoring | |
|----------------------------|--|
| Stop print job | If end of ribbon, end of labels, print head open |
| Prewarning | If end of ribbon, end of labels |
| Test routines | |
| System diagnosis | When switched on, including print head testing |
| Short status, status print | Fonts list, 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, KOI8-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 2008 Server 2008 R2 Server 2012 Server 2012 R2 Server 2016 ■ |
| Stand-alone operation | ■ |

¹⁾ Limitations may apply to small labels, thin materials or strong adhesives. Critical applications need to be tested.

²⁾ The ribbon should at least correspond with the carrier material.

Stroke applicators 4126/4136

2.1



Tamp pad

Labels are precisely applied on flat surfaces.



Spring-mounted tamp pad

Allows labels to be applied even on curved surfaces up to approx. 8°.



Roll-on pad

While in transport, labels are rolled on flat surfaces.

Stroke applicator

For real-time labeling on packaging or products. According to the type of pad the product is either in motion or not. Labels may be applied on the product from all sides.

The pad is positioned above the peel-off plate. The label is held by the applicator during the printing process. A short stroke cylinder turns the tamp pad horizontally to the labeling position and places the label on the product. The cylinder stroke defines the maximum distance from the peel-off plate to the product.

Silicone form pad on request

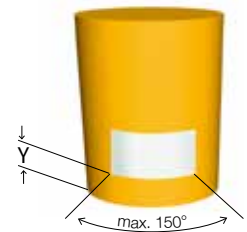
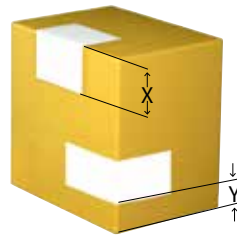
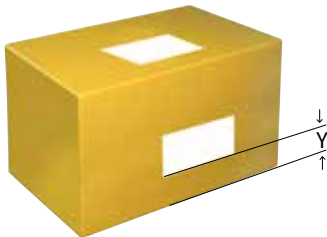
| Stroke applicator | | 4126C-300 | 4126C-400 | 4136C-300 ¹⁾ | 4136C-400 ¹⁾ |
|---|-----------------------------------|---|---|---|---|
| Cylinder stroke | mm | 300 | 400 | 300 | 400 |
| Product height | | Variable | Variable | Variable | Variable |
| Horizontal stroke cylinder | mm | 25 | 25 | 25 | 25 |
| Labeling on the product | | From top, from below, from the side | From top, from below, from the side | From top, from below, from the side | From top, from below, from the side |
| Air pressure supply | bar | 4.5 | 4.5 | 4.5 | 4.5 |
| Blow tube | quantity | 1 | 1 | 2 | 2 |
| Cycle time | approx. labels/min. ²⁾ | 20 | 20 | 20 | 20 |
| Tamp pad | | 4126C-11 F | 4126C-12 F | 4126C-19 F | – |
| Label width | mm | | 46-174 | | – |
| Label height | mm | | 20-100 | | – |
| Distance product/lower edge of device up to | mm | 220 | | 320 | – |
| Immersion depth of pad F ³⁾ | up to mm | | 50 | | – |
| Product during labeling | | | Not moving | | – |
| Spring-mounted tamp pad | | 4126C-3900 | | 4136C-3900 | |
| Label width | mm | | 80-174 | | 80-174 |
| Label height ⁴⁾ | mm | | 80-150 | | 151-356 |
| Distance product/lower edge of device up to | mm | 215 | | 315 | 215 |
| Product during labeling | | | Not moving | | Not moving |
| Roll-on pad | | 4126C-4900 | | 4136C-4900 | |
| Label width | mm | | 50-174 | | 50-174 |
| Label height ⁴⁾ | mm | | 80-150 | | 151-356 |
| Distance product/lower edge of device up to | mm | 245-275 | | 345-375 | 275-360 |
| Product during labeling | | | In motion | | In motion |

¹⁾ Only in combination with plastic labels ²⁾ Calculated at 100 mm label height and 125 mm/s print speed

³⁾ If the immersion depth of the applicator is > 25 mm, the cover of Hermes C has to be modified. ⁴⁾ Label roll 210 mm and more preferably inside wound

Vacuum belt applicators 5326/5426

2.2



Vacuum belt applicator

For real-time labeling on packaging or products in motion. Labels may be applied on the product from all sides on a flat surface, on a cylinder resp. corner wrap.









The vacuum belt applicator is positioned in front of the peel-off plate. The printed label is moved to the labeling position via vacuum belt and applied on the packaging via external signal. Printing and labeling may be done simultaneously.










| Technical data | Vacuum belt applicator | |
|---|------------------------|--|
| | 5326C | 5426C |
| Labeling | On the surface | On the surface, corner wrap or on a cylinder |
| Dispensing direction | Left | Left |
| Label width | mm 46-174 | 46-174 |
| Label height | mm 80-356 | 80-356 |
| Product during labeling | in motion | ■ |
| Labeling on the product | from top | ■ |
| | from below | ■ |
| | from the side | ■ |
| Product height | Steady | Steady |
| Product speed | max. m/s 0.5 | 0.3 |
| Distance between one product and the next min. | m 1.0 | 0.6 |
| Stability at application level | F=mm - | 10 N x factor 3 |
| Corner wrap labeling | X max. mm - | 180 |
| Labeling on a cylinder | diameter min. mm - | Depending on the label length |
| Vacuum belt speed ¹⁾ | mm/s 100-500 | 100-500 |
| Cycle time ²⁾ | max. labels/min. 15 | 15 |
| Label distance to conveyor belt when labeling from the side | Y min. mm 20 | 20 |

¹⁾ The product speed must be higher than the vacuum belt speed.

²⁾ Calculated at 100 mm label height/print speed 100 mm/s

Accessories

| Extra equipment Hermes C | Product |
|---|---|
| 3.1  | Cover V for vertical mounting The cover protects the Hermes C from dirt and damage. |
| 3.1  | Cover H for horizontal mounting With additional dust protection at the side of the product |
| 3.2  | External operation panel If the operation panel is not accessible after the printer has been installed, an external operation panel may be additionally connected. There is a slot for a CompactFlash Type I memory card and a USB host interface, which is further available. |
| 3.3  | Standard keyboard USB connection, 115 keys |
| 3.4  | Memory card CompactFlash Type I to store label formats, fonts, texts. Graphics are readable and writable either at the printer or the PC. |
| 3.5  | Product sensor 25-pin To be connected at the Hermes C. Start of printing and applying when a product is detected, e.g. on a conveyor belt. |
| 3.6  | Interface connector Screw terminals enable all control signals to be connected at the Hermes C I/O interface. |
| 3.7  | Warning light The warning light in addition to the display indicates the printer status. Red Error Yellow Prewarning to end of label resp. ribbon Green Device switched on To be mounted directly at the printer or bracket or anywhere else in the surrounding area. Length of connecting cable 1 m |

| Interface | Product |
|--|---|
| 4.1  | Label selection – I/O box Via a superordinate control, e.g. PLC, up to 16 different labels can be selected from the memory card. |
| Connecting cable | |
| 5.1  | Connecting cable RS232C 9/9-pin, length 3 m |
| Extra equipment Applicators | Product |
| 6.1  | Blow tube 4" |
| 6.1  | Blow tube 6" |
| 6.2  | Air pressure regulation unit To be directly mounted at Hermes C or the bracket with an angle. Presetting at 4,5 bar |
| 6.3  | Air pressure regulation unit with additional main valve In case of integrating the print and apply system in a production line, air pressure for the applicator can be switched on or off externally. Presetting at 4,5 bar. Only in combination with an E-Stop |
| 6.4  | Circular connector 3-pin M8 for main valve for air pressure supply |
| 6.4  | Circular connector 4-pin M8 for E-Stop |
| 6.5  | Pressure relief valve To reduce the tamp force; to be installed in the applicator |

Accessories



Dispensing and removing labels manually

To dispense and remove labels manually a present sensor is needed. In this case, it is advisable to use a mounting foot. The label printer may be mounted with or without a cover.

1 Present sensor PS11

1. Automatic dispensing

The present sensor PS11 detects when the label is in labeling position. After the label has been removed manually the next label is printed instantly.

2. Dispensing on request

The print and apply process can be started by pushing the button at the present sensor

2 Hand switch TR2

Printing and dispensing on request via the I/O interface. The hand switch is connected via a cable.



Mounting foot

To fasten the label printer

1 Adapter plate

The label printer is mounted on the adapter plate. It may also be mounted directly at the production line by means of the adapter plate and the profile.

2 Profile

Standard length 120 mm; further lengths on request



Bracket

With the bracket the Hermes C can be mounted on a stand or in a production line in any position.



Clamped joint for profile 50 x 50 mm

With this clamped joint the labeling system can be moved horizontally and vertically.

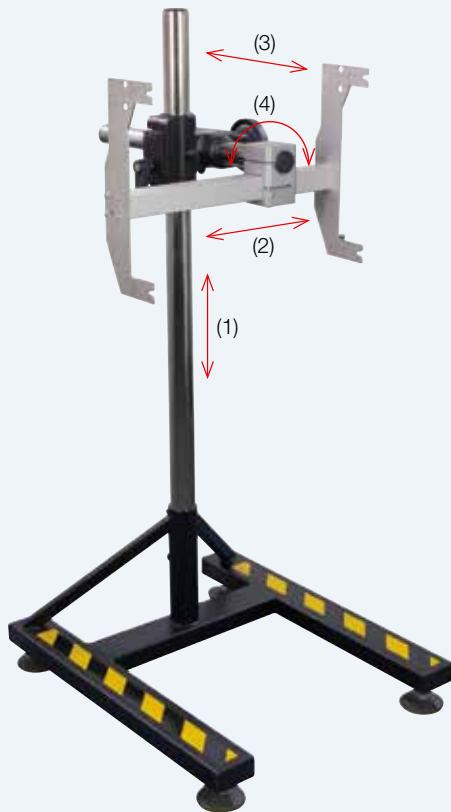


Clamped joint for diameter 50 mm

With this clamped joint the labeling system can be moved horizontally and rotated around an axis with a diameter of 50 mm.

Stands for mounting

7.4



Stand 1622

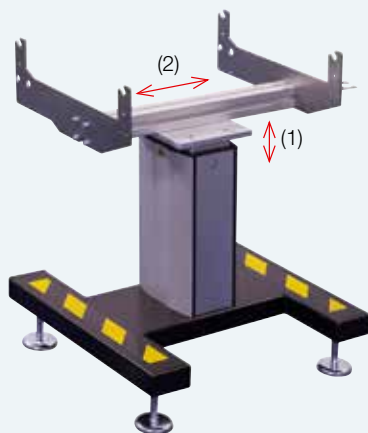
For mounting Hermes C in a vertical position into a production line. Height and depth are adjustable by a toothed rack/crank. In addition, the labeling system may be rotated 360° around its axis.

The air pressure regulation unit and the warning light are to be mounted on the bracket.

| Technical data | | Stand 1622 |
|--|------------|------------|
| Adjustable feet | mm | ± 15 |
| Load | max. kg | 75 |
| (1) Lower edge of printer - ground | mm | 150-1,100 |
| (2) Depth crosswise to direction of transport | mm | 120 |
| (3) Depth lengthwise to direction of transport | mm | 100 |
| (4) Rotation | ° | ± 90 |
| Weight | approx. kg | 40 |



7.5



Stand 1221

For mounting Hermes C in a horizontal position into a production line. Height is adjustable by an internal spindle.

The air pressure regulation unit and the warning light are to be mounted on the bracket.

| Technical data | | Stand 1221 |
|--|------------|------------|
| Adjustable feet | mm | ± 15 |
| Load | max. kg | 75 |
| (1) Lower edge of label - ground ¹⁾ | mm | 720-960 |
| (2) Depth lengthwise to direction of transport | mm | ± 180 |
| Weight | approx. kg | 40 |

¹⁾ Further dimensions on request



Labels and ribbons

- **Two-color** printing on labels in real-time
- For chemical products such as oils, colors or detergents
- On drums, buckets, boxes, pallets etc., resistant to acid and saltwater
- Labels for two-color printing according to GHS
- Certified according to British Maritime Standard BS5609, part 3

Polyester and Polypropylene labels in white matt or glossy are, along with the ribbons R71 black and CR74 red, certified according to the Laboratory Performance of Printed Labels.

In this test labels that have spent at least three months in sea water must stay affixed and still be readable on an aluminum drum.



Labels

Labels in all sizes, with widths 46 to 176 mm and heights 20 to 356 mm, can be manufactured for Hermes C.

| Labels | | | | | | |
|--------------------------------|----------|-----------|----------------|----------------|-----------------|----------|
| Material | Width mm | Height mm | Roll Ø max. mm | Labels on roll | Running meter m | Part no. |
| Paper white, 80 g | 102 | 50 | 305 | 6,000 | 427 | 5780067 |
| | 100 | 150 | 305 | 3,000 | 458 | 5780058 |
| Polyester white matt, 50 µ | 102 | 50 | 305 | 8,000 | 426 | 5780065 |
| | 100 | 150 | 305 | 3,000 | 458 | 5780060 |
| | 148 | 210 | 305 | 2,000 | 432 | 5780061 |
| Polypropylene white matt, 50 µ | 102 | 50 | 305 | 8,000 | 426 | 5780066 |
| | 100 | 150 | 305 | 3,000 | 458 | 5780062 |
| | 148 | 210 | 305 | 2,000 | 432 | 5780063 |

Polyester and Polypropylene white glossy on request

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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Ribbons

The ribbons are harmonized with Hermes C and the label materials and offer an excellent print quality from the beginning of the roll to the end.

The resin ribbons are resistant to dissolvers and heat and offer high abrasion and scratch resistance.

| Ribbons inside wound | | | | |
|----------------------|--|----------|----------|-----------------------|
| Type | | Width mm | Length m | Part no. |
| Wax/Resin | RW63 black | 110 | 450 | 5556966 |
| | | 165 | 450 | 5556967 |
| | CRW63 red similar to PMS ¹⁾ 1788C | 110 | 300 | 5556278 ²⁾ |
| | | 165 | 300 | 5556789 ²⁾ |
| Resin | R71 black | 110 | 450 | 5556968 |
| | | 165 | 450 | 5556969 |
| | CR74 red similar to PMS ¹⁾ 192C | 110 | 300 | 5556189 ²⁾ |
| | | 165 | 300 | 5556791 ²⁾ |

¹⁾ Pantone Matching System

²⁾ Length 450 m available on request

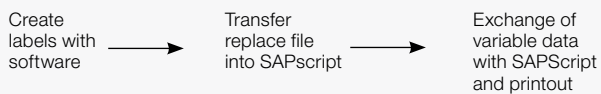
Software features of the label printer

| | |
|-----------------------------------|---|
| J | Job start |
| H 100 | Speed (100 mm/s) |
| O R | Orientation rotated by 180° |
| S I1;0,0,68,70,100 | Size label (100x68 mm, gap 2 mm) |
| T 10, 10,0,5,pt20;sample | Text object/font: Swiss bold, 20 pt |
| B 10,20,0,EAN-13,SC2,401234512345 | Barcode EAN 13, size SC 2 |
| G 8,3.5,0;R:30,9,0,3;0,3 | Graphic, box 30x9 mm, |
| A 1 | Line weight 0.3 mm |
| | Number of labels (in this example 1) |

Direct programming with JScript

Every cab printer can be directly programmed with the JScript programming language. JScript is described in the programming manual. The label software cablabel S3 optimally supports the direct programming, but may also be generated with any text editor.

SAP® Member Silver Printer Vendor Program



Replace files and integration in SAP R/3*)

In cooperation with SAP cab developed the so-called replace method to control cab printers quickly and easily from SAPscript using SAP R/3. Using this method the host computer only sends the JScript variable, respectively changed data to the printer. As a Silver Level partner in SAP's Printer Vendor Program, cab has access to SAP development environments for optimum printer support.

```

<ABC>
label start
input a$
if left$(a$,15)="194300301480070" then
  print "R t2;";mid$(a$,16)
endif
if left$(a$,15)="194300300580172" then
  print "R t3;";mid$(a$,16)
endif
if left$(a$,15)="194300301970073" then
  print "R t1;";mid$(a$,16)
endif
if a$0"q0001" then
  print "A 1"
endif
goto start
  
```

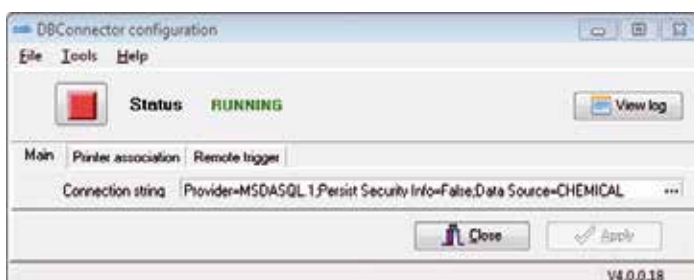
abc Basic Compiler

As an integrated element of the firmware, the abc Basic Compiler enables the printer to process data via Basic programming before it is sent for print editing. That way, you replace external printer languages or integrate data from other systems, e.g. a scale or PLC.



Printer monitoring with Intra- and Internet

Using standard programs such as the web browser or ftp clients, the integrated HTTP and ftp servers enable printer monitoring and configuration, firmware updates and memory card administration. Status, warning and error messages are sent to administrators or users via e-mails or SNMP datagrams via SNMP and SMTP clients. A time server is used to synchronize time and date.



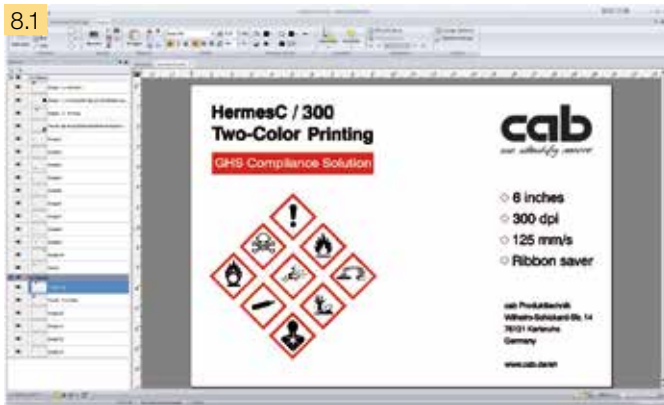
Database Connector

In stand-alone operation with additional network connection this program allows the printer to access data directly from a central ODBC or OLEDB compatible database and print it on a label. At the same time, data can be written back to the database during the printing process. Integrating the Database Connector in cablabel S3 allows to conveniently establish this database connection when designing a layout.

*) SAP and all SAP logos are trademarks or registered trademarks of SAP SE in Germany and in several other countries.

Software tools – label software

8.1



cablabel S3 is a label software that supports two-color applications. Three functions are integrated:

- **Designing**
- **Printing**
- **Monitoring**

cablabel S3 does open up the full potential of cab devices in the design of your label. An extensive instruction set is available within the intuitive user interface, e.g. different date formats, mathematic or logic functions.

In doing so, cablabel S3 brings together all cab marking systems. First of all you design the label. You do not have to decide before printing whether you like the label to be dispensed on a label printer, a print and apply system or a laser marking system.

Do you like your marking system to print independently of a host system in stand-alone operation? cablabel S3 supports again: After having designed the label, the software supplies with all necessary data stored within the printer to be used in stand-alone operation.

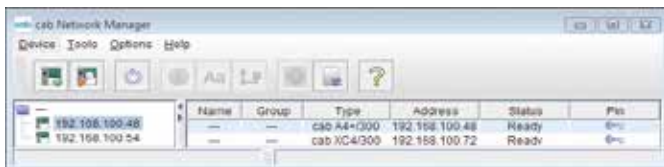
cablabel S3 is of modular design and can be adapted to your requirements step by step: In order to support functions like native programming with JScript, elements like JScript viewer are embedded as plugin. The designer user interface and JScript code are synchronized in real-time. Special functions like Database Connector or barcode testers can be easily integrated.

cablabel S3 is available for the following Microsoft*) operating systems in 32 bit and 64 bit versions:

| | |
|---------------|------------------------|
| Windows Vista | Windows Server 2008 |
| Windows 7 | Windows Server 2008 R2 |
| Windows 8 | Windows Server 2012 |
| Windows 8.1 | Windows Server 2012 R2 |
| Windows 10 | Windows Server 2016 |

Terminal servers/Citrix are not supported.

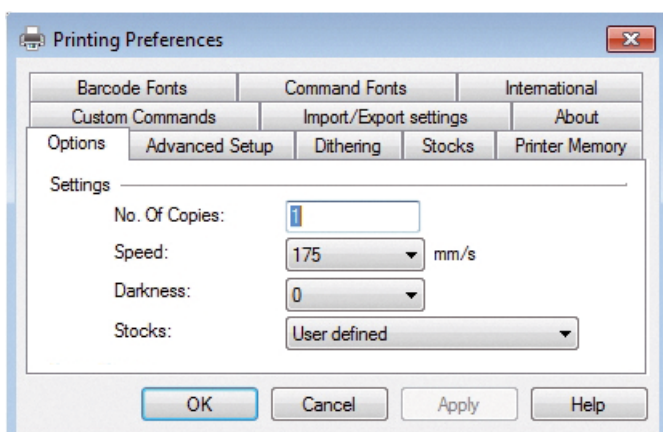
Software tools – monitoring



Administration Network Manager

To simultaneously control a number of printers across a network. It supports monitoring, configuration, firmware updates, memory card administration, file synchronization and PIN administration from one place.

Printer drivers



















WHQL certified Windows printer drivers for

















| | |
|---------------|------------------------|
| Windows Vista | Windows Server 2008 |
| Windows 7 | Windows Server 2008 R2 |
| Windows 8 | Windows Server 2012 |
| Windows 8.1 | Windows Server 2012 R2 |
| Windows 10 | Windows Server 2016 |

Our printer drivers are certified and signed by Microsoft. They ensure optimum stability on your Windows operating system. The drivers are included in in the scope of delivery.

*) Microsoft is a registered trademark of the Microsoft Corporation.

Product range

| | | Part no. | Device |
|---|---|--|---|
| 1.1 |  | 5970313 | Label printer Hermes C 6L/300-3 |
| | | Part no. | Device options |
| |  | 5970313.251 | Label printer Hermes C 6L/300-3 with cover V |
| | | 5970313.261 | Label printer Hermes C 6L/300-3 with cover H |
| | | Part no. | Applicators |
| 2.1 |  | 5972120 | Stroke applicator 4126C-300 |
| | | 5972125 | Stroke applicator 4126C-400 |
| | | 5972290 | Stroke applicator 4136C-300 |
| | | 5972295 | Stroke applicator 4136C-400 |
| |  | xxxxxxx*) | Tamp pad 4126C-11 F WxH |
| | | xxxxxxx*) | Tamp pad 4126C-12 F WxH |
| | | xxxxxxx*) | Tamp pad 4126C-19 F WxH |
| |  | xxxxxxx*) | Spring-mounted tamp pad 4126C-3900 WxH |
| | xxxxxxx*) | Spring-mounted tamp pad 4136C-3900 WxH | |
|  | xxxxxxx*) | Roll-on pad 4126C-4900 WxH | |
| | xxxxxxx*) | Roll-on pad 4136C-4900 WxH | |
| 2.2 |  | 5972910 | Vacuum belt applicator 5326C |
| | | 5972140 | Vacuum belt applicator 5426C |
| | | Part no. | Hermes C extra equipment |
| 3.1 |  | 5970475.001 | Cover V for vertical mounting |
| |  | 5972493.001 | Cover H for horizontal mounting including dust protection |
| 3.2 |  | 5954380 | External operation panel |
| 3.3 |  | 5901626 | Standard keyboard USB de |
| 3.4 |  | 5561043 | CompactFlash Type I memory card |
| 3.5 |  | 5964300 | Product sensor 25-pin Connection Hermes C |
| 3.6 |  | 5917651 | I/O interface connector Sub-D plug 25-pin Phoenix Contact No. 2761622 |
| 3.7 |  | 5961237.001 | Warning light |
| 3.8 |  | 5972287 | Present sensor PS11 |
| 3.9 |  | 5955710 | Hand switch TR2 |
| | | Part no. | Interfaces |
| 4.1 |  | 5948205 | Label selection - I/O box |

| | | Part no. | Connecting cable |
|----------------|--|--------------------|---|
| 5.1 |  | 5550818 | Connecting cable RS232C 9/9-pin, length 3 m |
| | | Part no. | Applicators extra equipment |
| 6.1 |  | 5964095.001 | Blow tube 4" |
| |  | 5964614.001 | Blow tube 6" |
| 6.2 |  | 5955735 | Air pressure regulation unit L |
| 6.3 |  | 5955737 | Air pressure regulation unit L with additional main valve |
| 6.4 |  | 5918092 | Circular connector 3-pin M8 |
| |  | 5918003 | Circular connector 4-pin M8 |
| 6.5 | | 5972xxx.212 | Pressure relief valve |
| | | Part no. | Mounting aids |
| 7.1 |  | 5972289 | Mounting foot 120 |
| | | xxxxxxx*) | Mounting foot XXX, height customized |
| |  | 5972282 | Adapter plate |
| |  | xxxxxxx*) | Profile XXX, length customized |
| 7.2 |  | 5972291 | Bracket C |
| 7.3 |  | 8914443 | Clamped joint for profile 50 x 50 mm |
| |  | 5907394 | Clamped joint for diameter 50 mm |
| 7.4 |  | 5972230 | Stand 1622 |
| 7.5 |  | 5972447 | Stand 1221 |
| | | Part no. | Software |
| 8.1 |  | Freeware | Label software cablabel S3 Lite (Download at cab.de/en) |
| | | 5588001 | cablabel S3 Pro 1 WS |
| | | 5588100 | cablabel S3 Pro 5 WS |
| | | 5588101 | cablabel S3 Pro 10 WS |
| | | 5588150 | cablabel S3 Pro 1 addit. licence |
| | | 5588151 | cablabel S3 Pro 4 addit. licence |
| | | 5588152 | cablabel S3 Pro 9 addit. licence |
| | | 5588002 | cablabel S3 Print 1 WS |
| | | 5588105 | cablabel S3 Print 5 WS |
| | | 5588106 | cablabel S3 Print 10 WS |
| 5588155 | cablabel S3 Print 1 addit. licence | | |
| 5588156 | cablabel S3 Print 4 addit. licence | | |
| 5588157 | cablabel S3 Print 9 addit. licence | | |
| 8.2 | | 9008486 | Programming manual en, printed copy |

*) User specific part no. following request

Product overview

Label printers MACH1, MACH2
in the lower price segment



Label printers MACH 4S
where little space is available



Label printers EOS2
Desktop device for label rolls
up to diameter 152 mm



Label printers EOS5
Desktop device for label rolls
up to diameter 203 mm



Label printers SQUIX 2
Industrial device for print widths
up to 57 mm



Label printers SQUIX 4
Industrial device for print widths
up to 108 mm



Label printers SQUIX 6.3
Industrial device for print widths
up to 168 mm



Label printers A8+
Industrial device for print widths
up to 216 mm



Label printers XD4T
for double-sided printing



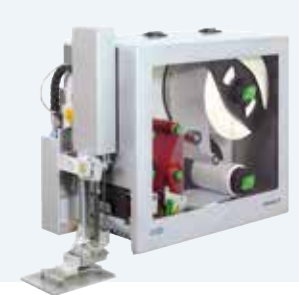
Label printers XC
for two-color printing



Print and apply systems HERMES Q
for automation



Print and apply systems Hermes C
for two-color printing and applying



Print modules PX
to be integrated in labeling machines



Labels
made from more than 400 materials



Ribbons
in wax, resin and resin/wax qualities



Label software cablabel S3
Design, print, control



Label dispensers HS, VS
for horizontal or vertical dispense



Labeling heads IXOR
to be integrated in labeling machines




Marking lasers XENO 4
in 19" housings



Laser marking systems
in desktop housings



 Headquarters and fabrication in Germany

 to  International subsidiaries

There are further 820 distribution partners in more than 80 countries.



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