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.

- 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).

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.

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Sample label

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GLUTARALDEHYDE SOLUTION 50%

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>23005</td>
<td>QTY NET</td>
<td>1 KG</td>
</tr>
<tr>
<td>0,88 L</td>
<td>BATCH:</td>
<td>test281114</td>
</tr>
<tr>
<td>3265</td>
<td>UN</td>
<td>3265</td>
</tr>
<tr>
<td>8</td>
<td>CLASS</td>
<td>8</td>
</tr>
<tr>
<td>R36/38</td>
<td>CAS:</td>
<td>111-30-8</td>
</tr>
</tbody>
</table>

**DANGER**

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 IN EYES: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF INHALED: 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.
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 Mbit/s 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:
   - 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
   - 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

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/m² 0.05-0.2/60-160
Width labels 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 mm 165
Ribbon saver print head

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 Mbit/s, LDP, Raw/IP 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 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/air humidity operation: 5-40 °C/10-85 % not condensing
transport: −25-60 °C/20-80 % not condensing
Approvals CE, FCC class A, ICES-3

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

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, EBCDIC 500, ISO 8859-1 to -10 and -13 to -16, WinOEM 720, UTF-8, Macintosh Roman, DEC MC55, 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

Barcode
Linear barcodes Code 39, Code 93
Code 39 Full ASCII
Code 128 A, B, C
EAN 8, 13
EAN/UPC Appendix 2
EAN/UPC Appendix 5
FIM
HIBC
Code 39, Code 93 Interleaved 2/5
Code 39 Full ASCII Ident- and lead code of Deutsche Post Codabar
EAN 8, 13 JAN 8, 13
EAN/UPC Appendix 2 MSI
EAN/UPC Appendix 5 Postnet
FIM
HIBC

2D codes Aztec, Codablock F, Data Matrix, PDF 417, Micro PDF 417, UPI 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 Administration Network Manager
Printer monitoring
Management
Monitoring/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
Server 2019

Stand-alone operation
Stroke applicators 4126/4136

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.

<table>
<thead>
<tr>
<th>Stroke applicator</th>
<th>4126C-300</th>
<th>4126C-400</th>
<th>4126C-300*</th>
<th>4126C-400*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cylinder stroke</td>
<td>mm</td>
<td>300</td>
<td>400</td>
<td>300</td>
</tr>
<tr>
<td>Product height</td>
<td>Variable</td>
<td>Variable</td>
<td>Variable</td>
<td>Variable</td>
</tr>
<tr>
<td>Horizontal stroke cylinder</td>
<td>mm</td>
<td>25</td>
<td>25</td>
<td>25</td>
</tr>
<tr>
<td>Labeling on the product</td>
<td>From top,</td>
<td>From top,</td>
<td>From top,</td>
<td>From top,</td>
</tr>
<tr>
<td></td>
<td>from below,</td>
<td>from below,</td>
<td>from below,</td>
<td>from below,</td>
</tr>
<tr>
<td></td>
<td>from the side</td>
<td>from the side</td>
<td>from the side</td>
<td>from the side</td>
</tr>
<tr>
<td>Air pressure supply</td>
<td>bar</td>
<td>4.5</td>
<td>4.5</td>
<td>4.5</td>
</tr>
<tr>
<td>Blow tube</td>
<td>quantity</td>
<td>1</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>Cycle time</td>
<td>approx. labels/min.²</td>
<td>20</td>
<td>20</td>
<td>20</td>
</tr>
</tbody>
</table>

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.

Silicone form pad on request

<table>
<thead>
<tr>
<th>Tamp pad</th>
<th>4126C-11 F</th>
<th>4126C-12 F</th>
<th>4126C-19 F</th>
</tr>
</thead>
<tbody>
<tr>
<td>Label width</td>
<td>mm</td>
<td>46-174</td>
<td>–</td>
</tr>
<tr>
<td>Label height</td>
<td>mm</td>
<td>20-100</td>
<td>–</td>
</tr>
<tr>
<td>Distance product/lower edge of device up to mm</td>
<td>220</td>
<td>320</td>
<td>–</td>
</tr>
<tr>
<td>Immersion depth of pad F³</td>
<td>up to mm</td>
<td>50</td>
<td>–</td>
</tr>
<tr>
<td>Product during labeling</td>
<td>Not moving</td>
<td>–</td>
<td>–</td>
</tr>
</tbody>
</table>

Spring-mounted tamp pad

<table>
<thead>
<tr>
<th>Roll-on pad</th>
<th>4126C-3900</th>
<th>4136C-3900</th>
</tr>
</thead>
<tbody>
<tr>
<td>Label width</td>
<td>mm</td>
<td>80-174</td>
</tr>
<tr>
<td>Label height</td>
<td>mm</td>
<td>80-150</td>
</tr>
<tr>
<td>Distance product/lower edge of device up to mm</td>
<td>215</td>
<td>315</td>
</tr>
<tr>
<td>Product during labeling</td>
<td>Not moving</td>
<td>Not moving</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Roll-on pad</th>
<th>4126C-4900</th>
<th>4136C-4900</th>
</tr>
</thead>
<tbody>
<tr>
<td>Label width</td>
<td>mm</td>
<td>50-174</td>
</tr>
<tr>
<td>Label height</td>
<td>mm</td>
<td>80-150</td>
</tr>
<tr>
<td>Distance product/lower edge of device up to mm</td>
<td>245-275</td>
<td>345-375</td>
</tr>
<tr>
<td>Product during labeling</td>
<td>In motion</td>
<td>In motion</td>
</tr>
</tbody>
</table>

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

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.

<table>
<thead>
<tr>
<th>Technical data</th>
<th>Vacuum belt applicator</th>
</tr>
</thead>
<tbody>
<tr>
<td>Labeling</td>
<td>5326C</td>
</tr>
<tr>
<td>Dispensing direction</td>
<td>On the surface</td>
</tr>
<tr>
<td>Label width (mm)</td>
<td>46-174</td>
</tr>
<tr>
<td>Label height (mm)</td>
<td>80-356</td>
</tr>
<tr>
<td>Product during labeling</td>
<td>in motion</td>
</tr>
<tr>
<td>Labeling on the product</td>
<td>from top</td>
</tr>
<tr>
<td>Product during labeling</td>
<td>from below</td>
</tr>
<tr>
<td>Product height</td>
<td>Steady</td>
</tr>
<tr>
<td>Product speed (max. m/s)</td>
<td>0.5</td>
</tr>
<tr>
<td>Distance between one product and the next min. m</td>
<td>1.0</td>
</tr>
<tr>
<td>Stability at application level</td>
<td>F=mm</td>
</tr>
<tr>
<td>Corner wrap labeling</td>
<td>X max. mm</td>
</tr>
<tr>
<td>Labeling on a cylinder</td>
<td>diameter min. mm</td>
</tr>
<tr>
<td>Vacuum belt speed (mm/s)</td>
<td>100-500</td>
</tr>
<tr>
<td>Cycle time (max. labels/min)</td>
<td>15</td>
</tr>
<tr>
<td>Label distance to conveyor belt when labeling from the side</td>
<td>20</td>
</tr>
</tbody>
</table>

1) The product speed must be equal or higher than the vacuum conveyor belt speed.
2) Calculated at 100 mm label height/print speed 100 mm/s
## Accessories

<table>
<thead>
<tr>
<th>Extra equipment Hermes C</th>
<th>Product</th>
</tr>
</thead>
</table>
| 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 |

<table>
<thead>
<tr>
<th>Interface</th>
<th>Product</th>
</tr>
</thead>
</table>
| 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. |
| 5.1 | Connecting cable RS232C  
9/9-pin, length 3 m |

<table>
<thead>
<tr>
<th>Extra equipment Applicators</th>
<th>Product</th>
</tr>
</thead>
<tbody>
<tr>
<td>6.1</td>
<td>Blow tube 4”</td>
</tr>
<tr>
<td>6.1</td>
<td>Blow tube 6”</td>
</tr>
</tbody>
</table>
| 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

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.

<table>
<thead>
<tr>
<th>Technical data</th>
<th>Stand 1622</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adjustable feet</td>
<td>± 15</td>
</tr>
<tr>
<td>Load</td>
<td>75</td>
</tr>
<tr>
<td>(1) Lower edge of printer - ground</td>
<td>150-1,100</td>
</tr>
<tr>
<td>(2) Depth crosswise to direction of transport</td>
<td>120</td>
</tr>
<tr>
<td>(3) Depth lengthwise to direction of transport</td>
<td>100</td>
</tr>
<tr>
<td>(4) Rotation</td>
<td>± 90</td>
</tr>
<tr>
<td>Weight</td>
<td>approx. 40</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Technical data</th>
<th>Stand 1221</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adjustable feet</td>
<td>± 15</td>
</tr>
<tr>
<td>Load</td>
<td>75</td>
</tr>
<tr>
<td>(1) Lower edge of label - ground</td>
<td>720-960</td>
</tr>
<tr>
<td>(2) Depth lengthwise to direction of transport</td>
<td>± 180</td>
</tr>
<tr>
<td>Weight</td>
<td>approx. 40</td>
</tr>
</tbody>
</table>

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

In this test, labels that have spent at least three months in sea water must stay affixed on aluminum drums and printed data must still be legible.

For this purpose, cab provides labels made of polyester or polypropylene as well as proper ribbons. Please contact cab.

Sample label

Glutaraldehyde Solution 50%

23005 QTY NET 1 KG 0,89 L. BATCH: test01114
UN 3265 CLASS 8 E2 CAS: 111-30-8

CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. Glutaraldehyde

DANGER

At least two red triangles with white warning bars. On the left, a white skull and crossbones with a white text: "Very toxic to aquatic life. May cause respiratory irritation. May cause damage to skin and eyes. Breathing difficulties if inhaled, they cause allergic skin irritation. Causes severe skin burns and eye damage. Toxic if swallowed or if inhaled, hard to aspirate the life with long lasting effects. Rash (especially affected breathing dust / fumes / gases / vapors / spray).戴上保护手套 / 保护衣物 / 眼部保护 / 面部保护。在不适当通风的情况下，戴上呼吸防护。如摄入：立即呼救或到医院 / 医生。如接触皮肤（含头发）：立即卸下所有受污染的衣物。用大量水 / 淋浴清洗皮肤。如接触眼睛：小心冲洗眼睛数分钟。如发生呼吸症状：立即呼救或到医院 / 医生。贮存在通风良好的地方。保持容器密封。含有1,5-pentanediol

Labels

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

Ribbons

They 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 withstand dissolvers and heat and are highly resistant to abrasion and scratching.
Software features of the label printer

Job start
- H 100
- OR
- S11;0,0,68,70,100
- T 10, 10,0,5,pt20;sample
- B 10,20,0,EAN-13,SC2,401234512345
- G 8,3,5,0.3
- A 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.

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 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

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 |
|              | Windows Server 2019 |

Terminal servers/Citrix are not supported.

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 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.

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 |
|              | Windows Server 2019 |

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

* Microsoft is a registered trademark of the Microsoft Corporation.
## Product range

<table>
<thead>
<tr>
<th>Part no.</th>
<th>Device</th>
</tr>
</thead>
<tbody>
<tr>
<td>5970313</td>
<td>Label printer Hermes C 6L/300-3</td>
</tr>
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</table>

### Part no. Device options

<table>
<thead>
<tr>
<th>Part no.</th>
<th>Device options</th>
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<tbody>
<tr>
<td>5970313.251</td>
<td>Label printer Hermes C 6L/300-3 with cover V</td>
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<tr>
<td>5970313.261</td>
<td>Label printer Hermes C 6L/300-3 with cover H</td>
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### Part no. Applicators

<table>
<thead>
<tr>
<th>Part no.</th>
<th>Device</th>
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<tbody>
<tr>
<td>5972120</td>
<td>Stroke applicator 4126C-300</td>
</tr>
<tr>
<td>5972125</td>
<td>Stroke applicator 4126C-400</td>
</tr>
<tr>
<td>5972290</td>
<td>Stroke applicator 4136C-300</td>
</tr>
<tr>
<td>5972295</td>
<td>Stroke applicator 4136C-400</td>
</tr>
<tr>
<td>xxxxxxx*</td>
<td>Tamp pad 4126C-11 F WxH</td>
</tr>
<tr>
<td>xxxxxxx*</td>
<td>Tamp pad 4126C-12 F WxH</td>
</tr>
<tr>
<td>xxxxxxx*</td>
<td>Tamp pad 4126C-19 F WxH</td>
</tr>
<tr>
<td>5972910</td>
<td>Vacuum belt applicator 5326C</td>
</tr>
<tr>
<td>5972140</td>
<td>Vacuum belt applicator 5426C</td>
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### Part no. Hermes C extra equipment

<table>
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<tr>
<th>Part no.</th>
<th>Device</th>
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<tbody>
<tr>
<td>5970475.001</td>
<td>Cover V for vertical mounting</td>
</tr>
<tr>
<td>5972493.001</td>
<td>Cover H for horizontal mounting including dust protection</td>
</tr>
<tr>
<td>5954380</td>
<td>External operation panel</td>
</tr>
<tr>
<td>5901626</td>
<td>Standard keyboard USB de</td>
</tr>
<tr>
<td>5561043</td>
<td>CompactFlash Type I memory card</td>
</tr>
<tr>
<td>5964300</td>
<td>Product sensor 25-pin Connection Hermes C</td>
</tr>
<tr>
<td>5917651</td>
<td>I/O interface connector Sub-D plug 25-pin Phoenix Contact No. 2761622</td>
</tr>
<tr>
<td>5961237.001</td>
<td>Warning light</td>
</tr>
<tr>
<td>5972287</td>
<td>Present sensor PS11</td>
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<tr>
<td>5955710</td>
<td>Hand switch TR2</td>
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### Part no. Interfaces

<table>
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<tr>
<th>Part no.</th>
<th>Device</th>
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</thead>
<tbody>
<tr>
<td>5948205</td>
<td>Label selection - I/O box</td>
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### Part no. Connecting cable

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<thead>
<tr>
<th>Part no.</th>
<th>Connecting cable</th>
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<tbody>
<tr>
<td>5550818</td>
<td>Connecting cable RS232C 9/9-pin, length 3 m</td>
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### Part no. Applicators extra equipment

<table>
<thead>
<tr>
<th>Part no.</th>
<th>Device</th>
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<tr>
<td>5964095.001</td>
<td>Blow tube 4&quot;</td>
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<tr>
<td>5964614.001</td>
<td>Blow tube 6&quot;</td>
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<tr>
<td>5955735</td>
<td>Air pressure regulation unit L</td>
</tr>
<tr>
<td>5955737</td>
<td>Air pressure regulation unit L with additional main valve</td>
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<tr>
<td>5918092</td>
<td>Circular connector 3-pin M8</td>
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<tr>
<td>5918003</td>
<td>Circular connector 4-pin M8</td>
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<td>5972xxx.212</td>
<td>Pressure relief valve</td>
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### Part no. Mounting aids

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<th>Device</th>
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<tbody>
<tr>
<td>5972289</td>
<td>Mounting foot 120</td>
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<tr>
<td>xxxxxxx*</td>
<td>Mounting foot XXX, height customized</td>
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<tr>
<td>5972282</td>
<td>Adapter plate</td>
</tr>
<tr>
<td>xxxxxxx*</td>
<td>Profile XXX, length customized</td>
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<tr>
<td>8914443</td>
<td>Clamped joint for profile 50 x 50 mm</td>
</tr>
<tr>
<td>5907394</td>
<td>Clamped joint for diameter 50 mm</td>
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<tr>
<td>597230</td>
<td>Stand 1622</td>
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<td>5972447</td>
<td>Stand 1221</td>
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### Part no. Software

<table>
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<th>Part no.</th>
<th>Device</th>
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<tbody>
<tr>
<td>9008486</td>
<td>Programming manual en, printed copy</td>
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<tr>
<td>5588001</td>
<td>Label software cablabel S3 Lite (Download at cab.de/en)</td>
</tr>
<tr>
<td>5588100</td>
<td>cablabel S3 Pro 1 WS</td>
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<tr>
<td>5588101</td>
<td>cablabel S3 Pro 5 WS</td>
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<tr>
<td>5588150</td>
<td>cablabel S3 Pro 10 WS</td>
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<tr>
<td>5588151</td>
<td>cablabel S3 Pro 4 addit. licence</td>
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<tr>
<td>5588152</td>
<td>cablabel S3 Pro 9 addit. licence</td>
</tr>
<tr>
<td>5588002</td>
<td>cablabel S3 Print 1 WS</td>
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<tr>
<td>5588105</td>
<td>cablabel S3 Print 5 WS</td>
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<tr>
<td>5588106</td>
<td>cablabel S3 Print 10 WS</td>
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<td>5588155</td>
<td>cablabel S3 Print 1 addit. licence</td>
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<td>5588156</td>
<td>cablabel S3 Print 4 addit. licence</td>
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<td>5588157</td>
<td>cablabel S3 Print 9 addit. licence</td>
</tr>
</tbody>
</table>

* User specific part no. following request
cab product overview

- Label printers
  - MACH1, MACH2
  - EOS 2
  - EOS 5
  - MACH 4S
- Label printers
  - SQUIX 2
  - SQUIX 4
  - SQUIX 6.3
  - A8+
- Label printers
  - XD4T
  - XC
- Print and apply systems
  - HERMES Q
  - Hermes C
- Tube labeling systems
  - AXON
- Print modules
  - PX Q
- Labels and ribbons
- Label dispensers
  - HS, VS
- Labeling heads
  - IXOR
- Marking lasers
  - XENO 4
- Laser marking systems

For product information see www.cab.de/en
Headquarters and fabrication in Germany

to International subsidiaries

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