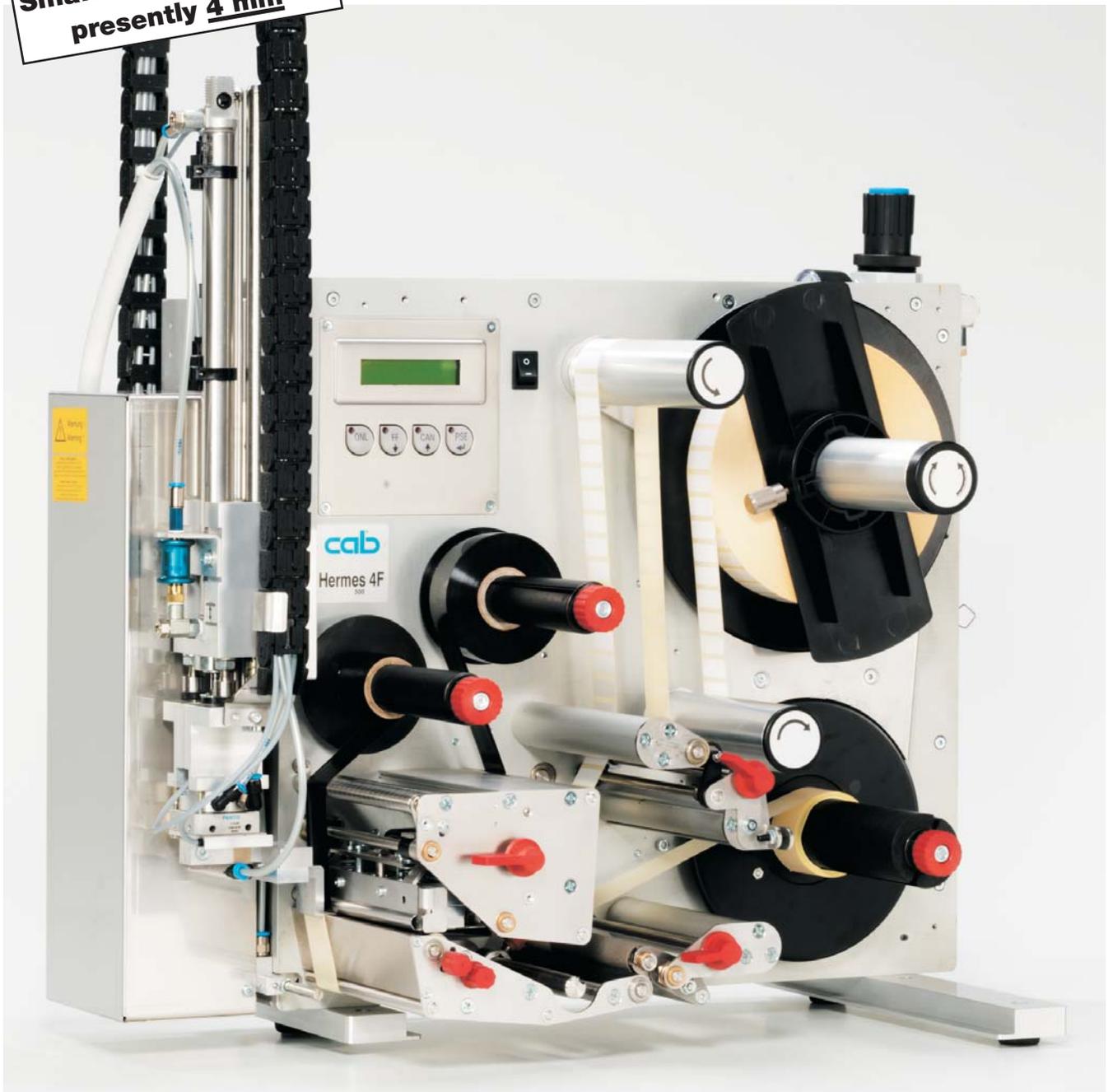


# Hermes

**The Thermo Transfer Printer especially  
for the fully automatic Labelling**

**Edition 2.1**

**Smallest Label height  
presently 4 mm**



## Printing and applying system Hermes

The Hermes system is designed especially for the fully automatic printing and applying applications in the industrial area. The system can be installed in all different positions. The electrical and mechanical interfaces are compatible to all Apollo models.

Characters, barcodes and graphics are printed out with a high-class printing head in a fast and brilliant manner.

Labels are printed and dispensed by means of a high accuracy.

By using the SPI-interface all cab applicators can be controlled in an easy and comprehensive way.

cab as a producer of printing- and applying systems offers high quality and a powerful service to its customers.

Labels and ribbons in all different dimensions and materials can be provided. Please send us your enquiry.

Description	Part No.
Hermes 4L	5537503
Hermes 4R	5942600
Hermes 5L	5537506
Hermes 5R	5942604

## Technical Data

<b>Printing principle</b>	Flat head Thermo/Thermo transfer
<b>Print head version</b>	Thin film
Printhead resolution	300 dpi
Printing speed	66-200 mm/s
Printing width	105 mm

## Intelligent printing head control

The printing head is generally lifted up from the printing roller and is only pulled down during the printing procedure. Therefore, damages of the printing roller and squeezing glue will be avoided.

## Character Fonts

5 bitmap fonts incl. OCR-A, OCR-B  
3 vector fonts available internal, upload of speedo- and true-type fonts is possible.

## Character sets

Windows 1250, 1252, DOS 850, 852, EBCDIC 500, ISO 8859-1, -8, Macintosh Roman. All european and latin special characters are available, euro sign capable.

## Character size

Vector fonts: Width can be scaled up stepless between 0.9 and 128 mm  
Bitmap fonts: Height and width 1-3 mm can be scaled from factor 2-10.

## Character format

Fat, in italics, underline, outline, invers, grey, vertical depending on the different fonts

## Print direction

Bitmap fonts and barcodes: 0°, 90°, 180°, 270°  
Speedo and Truetype fonts can be turned 360° in steps from 1°. Labels can be printed mirror-inverted.

## Graphic elements

Line, arrows, box, circle, ellipse, filling elements

## Graphic format PCX, IMG, BMP, TIF, GIF, MAC

## Barcodes

CODE 39, CODE 93	Interleaved 2/5
CODE 128 A, B, C	Ident- und Leitcode der Deutschen Post AG
Codabar	Jan 8, 13
EAN 8, 13, 128	MSI
EAN/UCC 128	Plessey
EAN/UPC Anhang 2	Postnet
EAN/UPC Anhang 5	UPC A, E
FIM	UPS Maxicode
HIBC	

## 2-D Barcodes:

Data Matrix, PDF 417, UPS Maxicode

Height, width and ratio of all barcodes can be scaled up. If necessary all barcodes can be printed with checksum or start/stop code

## Interfaces

Serial 8-bit:	RS-232 C 1.200 - 57.600 Baud/s
	RS-422 1.200 - 57.600 Baud/s
	RS-485 1.200 - 57.600 Baud/s

Parallel: Centronics

## Interface for periphery

SPI-interface for cab applicators. Digital interface for other applicators and power supply for sensor "end of ribbon", "end of labels" and indicator light.

## Diagnostics

When switching on the system the controller runs a self-test of memory and print head. Error messages are printed out indicated on the display.

## Process materials / Labels

Thermo paper, standard paper	
Syntetic foil of: PE, PP, PVC, PA, HTR, Capton, Polyimide	
Max grammage of labels:	60-160 gr/m <sup>2</sup>
Max width of liner:	118 mm
Max width of label:	12-116 mm
Max height of label:	4-546 mm
Core diameter:	40/76 mm
Max. diameter of label supplying roll:	
	Hermes 4 up to 200 mm
	Hermes 5 up to 300 mm

Labels can be rewinded inside or outside.

## Ribbon

Length:	450 m
Width:	25-114 mm
Core diameter	25 mm
Outer diameter of roll	up to 80 mm
Ink inside or outside	

**Data processor** 32 Bit, Motorola

**Memory** 2 MByte

**PCMCIA-port** for PC-Card 2, 4 MByte

## Label Pull-back

To make sure, that the print is starting in a defined distance from the front edge of the label, it is possible to pull the next label back after an executed printing job and to restart automatically positioning. To avoid any damage of the ribbon and abrasion between label and ribbon the printing head is lifted up while moving.

## Label saver

Before switching off or after switching on, the label material can be pulled back. Therefore, any loss of labels will be avoided.

## Ribbon saver

The ribbon saver is active up to an unprinted label length of 12 mm. The ribbon is saved by locking the supply roll and lifting up the printing head.

## Internal rewinder

For winding up the liner after dispensing the labels.

Core diameter:	40 mm
Diameter of roll: Hermes 4	up to 145 mm
Hermes 5	up to 210 mm

## Control of labels and ribbon

End of ribbon, end of labels/ endless media and the position of the printing head is controlled continuously. Any error stops the machine and is indicated on the display.

## Label sensor

The positioning is made by evaluation of reflection or transparency of the label/liner material.

## Further features

Time and date can be generated by the CPU-clock and can be printed out. The actual printing job is indicated on the display.

## Operation Panel

4 keys with LED's and illuminated LCD with 2x16 characters. All reports can be indicated in 8 different languages. The operation panel can be turned into steps of 90°.

## Dimension

H x W x D	
Hermes 4	390x277x420 mm
Hermes 5	542x277x542 mm

<b>Weight</b>	Hermes 4	21 kg
	Hermes 5	25 kg

## Power supply

230V~/115V~ switchable/50 - 60 Hz

## Operation temperature

The printer operates in a range of temperature between 10-35°C and a humidity between 10-35%

**Safety regulations** CE, FCC

## Options

### Memory cards

PCMCIA cards up to 4 Mbyte

### Keyboard interface

To connect PC-compatible keyboard for stand-alone operation.

### Interfaces

Twinax/Coax socket to connect to Host-PLC

### Applying systems

Please send us your enquiry. Our specialists are ready to advise you in this matter.

### Sensors

There are two different sensors available which are indicating "end of ribbon" and "end of labels".

### Indicator light

The messages "end of label" and "end of ribbon" are indicated by an indicator light.