Status: 10/2024

CGb we identify more

Available as of quarter 1/2025





Linerless print and apply systems

HERMES QL

Made in Germany

HERMES QL linerless print and apply systems

No liner means no waste and low costs for stock and transport

Rolls of 700 meters provide at least 50 per cent more labels compared to a standard HERMES Q unit. Downtimes when loading new material are reduced accordingly.

By activating a feature for saving material, the material is cut automatically subsequent to a final print line and an offset. Features, dimensions and installation correspond to the proven HERMES Q print and apply system.

Original applicators and tools for assembly can be used to a large extent, making HERMES standard and linerless printers easy to replace.

Cycle rates correspond to HERMES Q applicators, added by about 50 milliseconds delay time for cutting the linerless labels.



Metal chassis

It is the base to assemble components. Made of cast aluminum

2 Control panel

Self-explanatory symbols simplify settings and enable printers be operated intuitive and easily.

Peripheral port

An applicator can be plugged easily and quickly.

4 Applicator

It can be pivoted in cases of maintenance or material changeover.

6 Cutter

for separating continuous materials

6 Unlocking lever

for pivoting and removing the cutter

Present sensor (not displayed) Sensor for material detection for print marks and for print material

Deflection roller

Axial adjustment for straight material run

8 Label unwinder

Labels are unwound with consistent tractive force using a pendulum arm and an integral brake.



Cutter

It separates labels after printing even at different heights.

The blade and the cutter bar each have anti-stick coating.

The entire cutter can be quickly and easily removed and reinstalled without tools in cases of cleaning, changing the print roller or maintaining the print head.

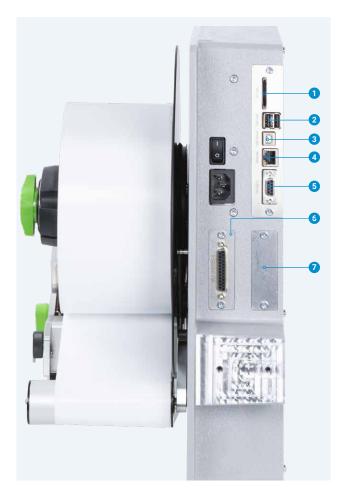
Print head

It is designed for direct thermal printing.

Major data such as operational performances, maximum operational temperatures and heating are kept in memory by the print head. The data can be read at the premise.

Linerless print roller

Anti-stick coating



Interfaces

- 1 Port for plugging a SD memory card
- 2 USB hosts for plugging a service key, an USB stick, a keyboard, barcode scanner, an USB WLAN stick, a warning light, an external control panel
- 3 USB 2.0 Hi-Speed device for plugging a PC
- 4 Ethernet 10/100 Mbit/s
- **5 RS232C** 1,200 to 230,400 baud/8 bit
- **6** Digital I/O interface

SUB-D socket connector, 25 pins, compliant to IEC/EN 61131-2, type 1+3 The inputs and outputs are galvanically isolated and protect from reverse polarity. The outputs are also short-circuit-proof

PNP inputs

Start printing / applying label Print first label Reprint Delete print job Label removed Stop printing / applying label Label feed Pause Reset

PNP, NPN outputs

Unit ready
Print data available
Initial / upper end position
Paper feed ON
Label peeled off
Label apply / lower end position
Prior warning to label web ending
Label web ending
Collective error

Options

Port for additional interfaces

Control panel
Color LCD touchscreen

Diagonal

Resolution Width x Height px

Technical HERMES QL data

■ standard □ option Label printer **HERMES OL4.3** HERMES QL6.3 upon request Type Print method Direct thermal Print resolution dpi 200 300 200 300 Print speed 300 300 250 250 mm/s max. Print width 104 108.4 168 162.6 mm max. Direction to which labels are dispensed L = to the left, R = to the right Print distant to locating edge mm Continuous linerless material wound onto a roll Paper Label Width 50 - 105 50 - 150 mm Height 20 - 210 mm Thickness μm max. 110 Unwinder Roll outside diameter 300 mm max. 76 core diameter mm Winding outside Printer dimensions, weights 260 x 400 x 400 320 x 400 x 400 Width x Height x Depth mm Weight 13 15 kg approx. with cover kg approx 15,5 19 Label sensors Sensor detecting provided material Reflective detecting print marks from top Sensor distant to locating edge mm 5 **Electronics** Processor, 32 bit clock rate 800 MHz ΜВ RAM 256 **IFFS** ΜВ 50 Port for plugging a SD memory card (SDHC, SDXC) Battery for indicating time and date, real-time clock Data kept in memory (e.g. serial numbers) when power turns off **Interfaces** RS232-C 1,200 to 230,400 baud / 8 bit USB 2.0 Hi-Speed device for plugging a PC LPD, RawIP printing, SOAP web service, OPC UA, WebDAV Ethernet 10/100 Mbit/s DHCP, HTTP/HTTPS, FTP/FTPS, TIME, NTP, Zeroconf, SNMP, SMTP, VNC 2 USB hosts on the control panel, Service key, USB stick, USB WLAN stick, USB WLAN stick with a rod antenna, 2 USB hosts on the back of a unit keyboard, barcode scanner, warning light, external control panel USB host, 24 VDC, for peripheral / applicator plugging Digital I/O interface providing 10 inputs and 11 outputs **Operating data** 100-240 VAC, 50/60 Hz, PFC Voltage Consumption of power < 10 W in standby / 100 W in typical operation / max. 200 W Temperature / humidity +5 - 40°C / 10 - 85 %, not condensing Operation Stock 0 - 60°C / 20 - 85 %, not condensing -25 - 60°C / 20 - 85 %, not condensing Transport **Approvals** CE, FCC Class A, ICES-3 in preparation UKCA, cULus, CB upon request CCC, BSMI, KC-Mark, Mexico Reg., RCM

4.3

272 x 480

Technical HERMES QL data

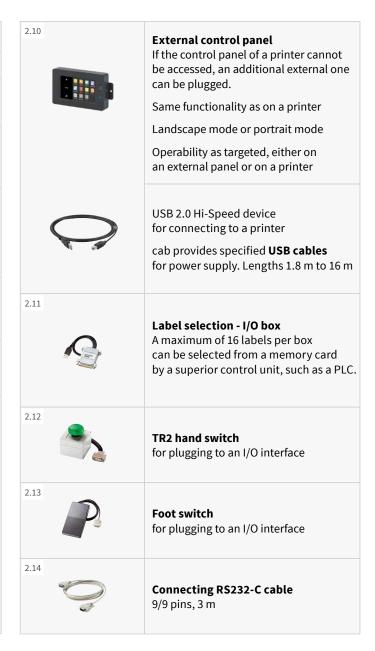
Setup options			
Secup options	Print		Region:
	Labels Peel off Apply Interfaces Error		- Language - Country - Keyboard - Time zone Time Display: - Brightness - Power saving mode - Orientation Interpreter
Status bar			e. p. e.e.
	Receive data Record data st SD memory ca USB stick plug	rd plugged	WLAN Ethernet USB slave Time
Controls			
	Labels - prior warning - material pro material end Print head V	vided ing oltage	Peripheral error Cutter
		emperature pen	pivotedno final position
Test routines			
System diagnostics	upon startup,	detection of pr	rint head included
Information display, test printout, analysis		t	Test grid Label profile List of events Monitor mode
Status reports	 Printout of print durations, running hours, etc. Status of a unit requested by software command Display of errors related to a network, barcode or peripheral device, links missing, etc. 		
Fonts			
Integral	5 bitmap fonts 12 x 12 dots 16 x 16 dots 16 x 32 dots OCR-A OCR-B	AR Heit CG Triu Garuda HanWai Monosp	i Medium GB-Mono mvirate Condensed Bold
For memory	TrueType		
Sets of characters	Windows-1250 DOS 437, 737, EBCDIC 500 ISO 8859-1 to - WinOEM 720 UTF-8 DEC MCS Western Europ Eastern Europ Chinese, simpl	775, 850, 852, 3 10 and -13 to - MacRor KOI8-R Dean Bean	
Bitmap	Chinese, tradit Thai 1 mm to 3 mm	ional	Hebrew Arabian
,	Zoom factors 2 0°, 90°, 180°, 27	2 to 10 70° orientatior	ns
Vector / TrueType	0.9 mm to 128 mm wide and high Continuous zoom 360° orientation in steps of 1°		
Styles	bold, italic, un- depending or		
Character spacing	proportional o	r monospace	
Graphics			
Elements	lines, arrows, rectangles, circles, ellipses - filled and gradient		
Formats	PCX, IMG, BMP		DNC

		■ s	tandard	\square option	
Codes					
1D barcodes, linear	Code 39, Code 93 Code 39 Full ASCII Code 128 A, B, C EAN 8, 13 EAN/UCC 128/GS1-128 EAN/UPC Appendix 2 EAN/UPC Appendix 5 FIM HIBC	Ident of De Coda JAN 8 MSI Pless Postr RSS 1	ey net	ing code	
2D codes, stacked codes	DataMatrix DataMatrix Rectangle External Rectangle		, omni-di	rectional	
	All codes may vary in height, modular width and ratio. 0°, 90°, 180°, 270° orientations Feasibility of check digits, plain text printouts and start/stop coding depending on the type of code				
Software	start/stop counting depend	ilig oli til	e type or	coue	
Label software	cablabel S3 Lite cablabel S3 Viewer cablabel S3 Pro cablabel S3 Print				
Running also with	CODESOFT Loftware Spectrum NiceLabel BarTender		in prepa	ration	
Stand-alone operation					
Windows printer drivers certified WHQL for	Windows 10 Server 2016 Windows 11 Server 2019 Server 2022 ■				
Apple printer drivers	Mac OS X 10.6 or any later release ■				
Linux printer drivers	CUPS 1.2 or any later release	ase			
Programming	JScript printer language abc Basic Compiler ZPL II (Datastream be test	ted in ad	vance)		
Integration	SAP Database Connector				
Administration	Printer control Configuration on the Intranet and Internet				

Free and Open Source software in cab products: www.cab.de/opensource

HERMES QL accessories

2.1	SD memory card		
2.2	USB stick		
2.3	USB WLAN stick 2.4 GHz 802.11b/g/n Hotspot mode or infrastructure mode		
2.4	USB WLAN stick with a rod antenna for extended range of operation 2.4 GHz 802.11b/g/n + 5 GHz 802.11a/n/ac Hotspot mode or infrastructure mode		
2.6	Product sensor, 3 pins to be attached to a front side applicator, a vacuum belt applicator or an air jet box. Labels are triggered to be applied as soon as a product has been detached, e.g. on a conveyor belt.		
2.7	Product sensor, 25 pins Labels are triggered to be applied as soon as a product has been detached, e.g. on a conveyor belt.		
2.8	I/O interface plug, SUB-D, 25 pins All control signals are plugged to the I/O interface		
2.9	Warning light States are indicated in addition to the information on the display of a printer.		
0	Red Collective error Yellow Prior warning to a label material ending Green Unit ready		
FIF	USB cable (1 m) for connecting to HERMES QL		
	Assembly materials are provided only for vertical printer installation.		
	1 Chassis assembly2 Bracket assembly		



Options



Cove

A hinged cover with a large inspection window protects the material and the print head from contamination.

Installation:

vertical, rotated by± 90°, horizontal

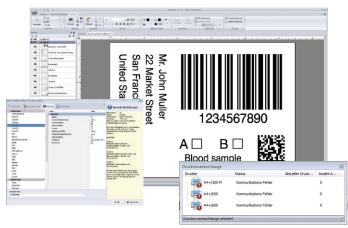


2 port Ethernet switch 10/100 Mbit/s for plugging another terminal device in a joint network. Signals are looped through.

cablabel S3 software

Design, print, administrate

cablabel S3 opens up the full potential of cab devices. Defining a label is first. Modular design adapts cablabel S3 to requirements step by step. Plug-ins are embedded. Native JScript programming, for example, is supported by the JScript Viewer. The designer user interface and JScript codes synchronize in real time. Optional features can be integrated, such as the Database Connector or barcode verifiers.





See further information on www.cab.de/en/cablabel

Stand-alone operation

This operating mode enables a printer select and print labels while not connected to a host system. Labels can be designed using software such as cablabel S3 or a text editor on a PC. Label formats, texts, graphics and data of a database can be stored on a memory card, a USB stick or a printer's IFFS memory. Only variable data are sent by a keyboard, a barcode scanner, a scale or any other host system to a printer, or be recalled by the Database Connector from a host and printed.



Printer control

Drivers



cab provides drivers for controlling a printer with software other than cablabel S3.



Free download on www.cab.de/en/support



Programming



JScript

cab printers embed JScript language. Download free manual on www.cab.de/en/programming

abc Basic Compiler

Integral to the firmware, abc in addition to JScript enables advanced programming before data are edited for printout. For example, external printer languages can be replaced without intervening in a print job in progress. Data may be imported as well from other systems such as scales, barcode scanners or PLC.

Integration



cab as a member of this program developed a replace method for controlling cab printers from SAP¹⁾ R/3 using SAPScript. Only variable data are sent by a host system to a printer. They add on the printer to local images and fonts (IFFS, memory card, etc.).

Database Connector



Printers in a network may access data from an ODBC / OLEDB database and print it on labels. Data can be rewritten to a database while print jobs are in progress.

Printer administration

Configuration on the Intranet and Internet

Integral HTTP / FTP servers enable a printer be controlled or configured, firmware be updated and memory cards be administrated using standard applications such as a web browser or a FTP client. Administrators and operators

on behalf of SNMP / SMTP are notified of states, alerts and errors by email or SNMP diagrams. Time and date are synchronized by a time server.

OPC UA



All the latest cab printers have been designed ready for interacting with machines and components of different manufacturers in industrial plants. An OPC UA server is part of the firmware.

See further information on www.cab.de/en/opcua

¹⁾ SAP and associated logos are trademarks or registered trademarks of SAP SE

Label applicators

Various applicators from the HERMES Q range roll, blow or press labels onto packagings.



1 Long life cycle

by a precise and low-wear inear guide

Various product heights

Labels can be applied onto products of different heights by a stroke cylinder. Standard cylinders are 200 mm, 300 mm and 400 mm long. Further lengths are available upon request.

3 Protective chassis

The cylinder and the guide are protected as a standard. Chassis can be adapted to product jigs on label workstations.

4 Highly reliable processing

Support air and intake air can be specified, so can stroke speed. Sensor control

5 Labeling in real time

Applicators are provided for small and large labels, 20 mm to 210 mm high and 50 mm to 150 mm wide.

Decrease in pressure (not displayed) A valve reduces the contact pressure exerted by the stroke cylinder to a product.

6 Pivoting

The print mechanics can be accessed quickly and easily in cases of maintenance or material changeover.





See technical details and accessories related to applicators in the catalogue of HERMES Q: www.cab.de/en/hermesq-applicators

Package marking

HQ 4024 stroke applicators

- As much as 80 percent savings of compressed air
- Labels applied onto variable heights using one tamp pad

Labels are applied in real time onto packagings of different heights.

A spring-mounted print pad enables labels be applied reliably even onto inclined surfaces. Three vacuum plates are provided for labels 40 mm to 100 mm high, 150 mm and 200 mm. Label widths are 50 mm to 105 mm in each case.

Labels are sucked without supporting air by an electrically driven fan. Only the stroke cylinder requires compressed air.



Accessories



Unit for compressed air regulation

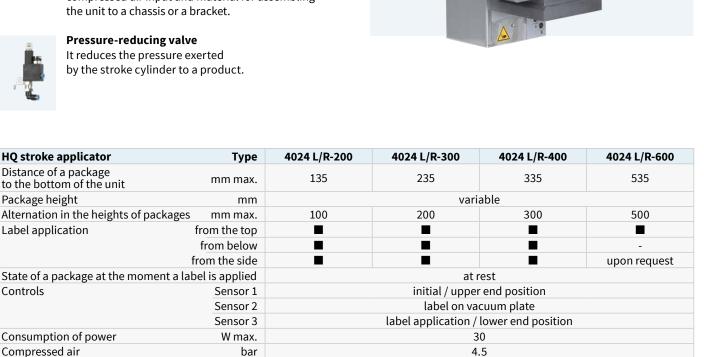
4.5 bar default setting

Provided in a left-hand or right-hand design

Delivery includes a fine filter, a pressure control valve with a display, a hose for connecting to an applicator's compressed air input and material for assembling



Cycle rate1)



30

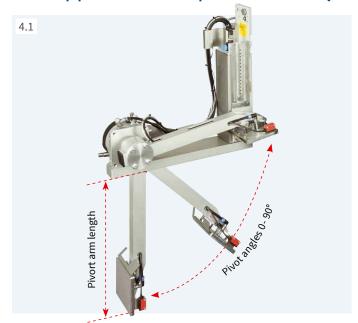
labels/min approx. 1) calculated using a stroke of 100 mm below the unit, labels 40 mm high, a print speed of 100 mm/s

				1111	111
Vacuum pla	nte	Туре	4024 - 3100 105 x 105	4024 - 3100 105 x 150	4024 - 3100 105 x 200
Label	Width	mm	50 - 105	50 - 105	50 - 105
	Height	mm	40 - 105	80 - 150	120 - 200
	Thickness	μm	110	110	110



Range of applicators

The tamp pads are to be adapted. See HERMES Q for further details



HQ 3014 front side applicators

Labels are applied in real time onto packagings in motion. Fronts or backs are preferred to tops or sides.

Printed labels are taken over by a pad on the peel-off plate. They are applied onto packagings by a rotary cylinder. A sensor detects the packagings and triggers the pivot arm and the pad return to their initial position.



HQ 4014 stroke applicators

Labels are applied in real time onto packagings at rest or in motion (depending on the pad in use). Labels can be applied from all sides.

Printed labels are taken over by the pad on the peel-off plate. They are applied onto packagings by a stroke cylinder. A sensor detects the packagings and triggers the pad return to its initial position. The length of the stroke cylinder defines the maximum distance of a packaging to the peel-off plate.





HQ 4614 stroke blow applicator

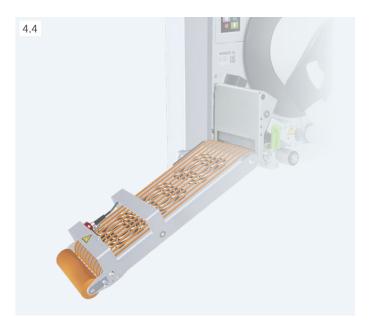
Labels are applied in real time onto packagings of different heights while in motion. Labels can be applied from all sides.

Printed labels are taken over by a pad on the peel-off plate. They are moved by a stroke cylinder to a spot about 10 mm above a packaging, controlled by a sensor. The length of the stroke cylinder defines the maximum variations of packagings in terms of heights.





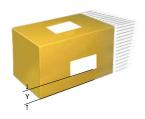
Range of applicators see HERMES Q for further details



HQ 5314 vacuum belt applicator

Labels are applied in real time onto packagings in motion. Labels can be applied from all sides onto flat surfaces.

Printed labels are taken over on the peel-off plate. They move along a vacuum belt to the point of application and are applied onto packagings, triggered by an external signal.

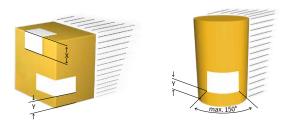




HQ 5414 vacuum belt applicator

Labels are applied in real time onto packagings in motion. Labels can be applied from all sides onto cylindric surfaces. Corner-wrap applications are as well possible.

Printed labels are taken over on the peel-off plate. They move along a vacuum belt to the point of application and are applied onto packagings, triggered by an external signal.

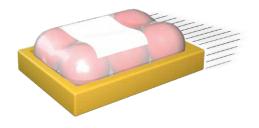




HQ 6114 air jet box

Labels are applied quickly onto packagings at rest or in motion.

The labels are sucked by a fan and then blown off by a powerful blast of air through aligned nozzles. Depending on the size of a label, packagings may be as far as 200 mm distant from the peel-off plate.



Range of tools for assembly see HERMES Q for further details



Mount

for desktop setup or installation in production lines
Types left or right (depending on
the direction to which labels are dispensed)
The size can be individually adapted to any operation.

• Adapter plate

for fixing a print and apply system. Alternatively, a system can be assembled directly to a production line, using the adapter plate and a profile.

Profile, aluminum square

40 mm, 80 mm, 120 mm standard lengths Further lengths may be provided upon request.

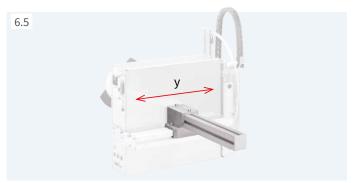
3 Base plate

for fixing a product jig; 500 mm x 255 mm standard dimensions



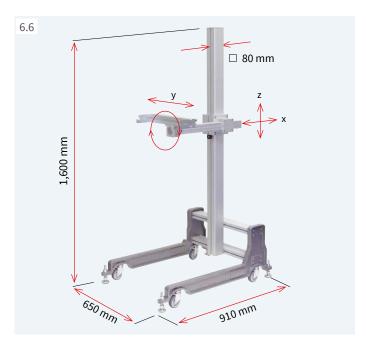
Bracket

for assembling to a floor stand



Clamped joint designed for 50 mm x 50 mm profiles

for moving in horizontal or vertical direction



Floor stand

It benefits when operating in different production lines. Mobility is provided. At the place of operation, the floor stand can be set and locked using adjustable feet.

50 kg load capacity at 500 mm projection

Continuous linerless materials

on all kinds of packaging in industry, logistics and food

Linerless links sustainability with quality and efficiency.

CO₂ neutral

Waste is avoided.

At least 50 per cent more labels are provided on a roll, resulting in less setup costs and less downtimes.



Material		Direct thermal paper, white
Thickness		approx. 80 μm
Adhesive		permanent
Shelf life with respect to temperat	ture / humidity	12 months at 23° ± 5°C / 50% ± 10%
Application temperature	at least	5°C
Service temperature		−10 - 100°C
Use		indoor

Part no.	Material width	Material length	Roll diameter	Core diameter	Winding
	mm	m	mm	mm	
upon request	58	700	300	76	outside
upon request	70	700	300	76	outside
upon request	80	700	300	76	outside
5780401	105	700	300	76	outside
upon request	150	700	300	76	outside

In comparison: Adhesive label Silicone layer Thermal paper Adhesive Silicone layer Liner material

HERMES QL delivery program

Label printers L

Pos.	Part no.	Designation
1.1	6012002 6012000	HERMES QL4.3L/200 label printer HERMES QL4.3L/300 label printer
1.2		HERMES QL6.3L/200 label printer HERMES QL6.3L/300 label printer

xxxxxxx.250 if HERMES QL provides options

Label printers R

Pos.	•	Part no.	Designation
1.1		6012012 6012010	HERMES QL4.3R/200 label printer HERMES QL4.3R/300 label printer
1.2			HERMES QL6.3R/200 label printer HERMES QL6.3R/300 label printer

xxxxxxx.250 if HERMES QL provides options

Scope of delivery	
HERMES QL label printer Type E+F power cable, 1.8 m Connecting USB cable, 1.8 m Instructions DE / EN	

https://setup.cab.de/en

Provided online

Assembly instructions DE / EN / FR
Configuration manuals DE / EN / FR
Service manuals DE / EN
Spare parts lists DE / EN
Programming manuals EN
Windows printer drivers certified WHQL for

ndows printer drivers certified WHQL fo Windows 10 Server 2016 Windows 11 Server 2019

Server 2022 Apple Mac OS X printer drivers DE / EN / FR Linux printer drivers DE / EN / FR cablabel S3 Lite software

cablabel S3 Lite softv cablabel S3 Viewer Database Connector

HQ 4024 applicators

Pos.	Part no.	Designation
4.1	5989285	HQ 4024L-200 stroke applicator
4.2	5989286	HQ 4024L-300 stroke applicator
4.3	5989287	HQ 4024L-400 stroke applicator
4.4	upon request	HQ 4024L-600 stroke applicator
4.6	5989295	HQ 4024R-200 stroke applicator
4.7	5989296	HQ 4024R-300 stroke applicator
4.8	5989297	HQ 4024R-400 stroke applicator
4.9	upon request	HQ 4024R-600 stroke applicator
4.11	5989301	4024 - 3100 vacuum plate 105 x 105
4.12	5989302	4024 - 3100 vacuum plate 105 x 150
4.13	5989303	4024 - 3100 vacuum plate 105 x 200

For more applicators see HERMES Q, www.cab.de/en/hermesq-applicators

Options

Pos.		Part no.	Designation
		6012130 upon request	Cover 4L Cover 6L
3.1	3.1	6012140 upon request	Cover 4R Cover 6R
3.2		6010520.xxx	2 port Ethernet Switch 10/100 Mbit/s

xxx - .250 assembled to the printer .001 delivered separately

Accessories

Pos.		Part no.	Designation
2.1		5977370	SD memory card
2.2		5977730	USB stick
2.3	2	5978912	USB WLAN stick 2.4 GHz 802.11b/g/n
2.4		5977731	USB WLAN stick with a rod antenna 2.4 GHz 802.11b/g/n + 5 GHz a/n/ac
2.6		5970071	Product sensor, 3 pins
2.7		5964300	Product sensor, 25 pins
2.8		5917651	I/O interface plug, SUB-D, 25 pins
2.9		6010560	Warning light
	The same	6010186	External control panel
2.10		5907718.850 5907730.850 5907750.850 5907760.850 5907765.850	Connecting USB cable, 1.8 m Connecting USB cable, 3 m Connecting USB cable, 5 m Connecting USB cable, 11 m Connecting USB cable, 16 m
2.11		5948205	Label selection - I/O box
2.12		5955710	TR2 hand switch
2.13	P	5955711	Foot switch
2.14		5550818	Connecting RS232-C cable, 9/9 pins, 3 m





HERMES QL delivery program

Accessories and options for applicators

Pos.		Part no.	Designation
5.14		6010880 6010881	Unit L for compressed air regulation Unit R for compressed air regulation
F 17		596xxxx.212	Pressure-reducing valve
5.17		xxxx - Part no. of the applicator	

Wear parts

Pos.		Part no.	Designation	dpi
	1 1 2 2	5977382.001 5977383.001	Print head 4.3 Print head 4.3	200 300
			Print head 6.3 Print head 6.3	200 300
		6012025.001	DRL4 print roller	
		6012026.001	DRL6 print roller	
		6012079.001	Blade	
	0	6012078.001	Cutter bar	

Label software

Pos		Part no.	Designation
		Bundle	cablabel S3 Lite (download on cab.de/en)
7.6		5588001 5588100 5588101 5588150 5588151 5588152	cablabel S3 Pro, 1 WS cablabel S3 Pro, 5 WS cablabel S3 Pro, 10 WS cablabel S3 Pro, 1 additional licence cablabel S3 Pro, 4 additional licences cablabel S3 Pro, 9 additional licences
		5588002 5588105 5588106 5588155 5588156 5588157 in preparation	cablabel S3 Print, 1 WS cablabel S3 Print, 5 WS cablabel S3 Print, 10 WS cablabel S3 Print, 1 additional licence cablabel S3 Print, 4 additional licences cablabel S3 Print, 9 additional licences
7.10		9008486	Programming manual EN, printed copy

For applicators and tools for assembly see HERMES Q

User languages

Language	Assembly instructions	Control panel	Windows driver	Service manual	cablabel \$3			
European Union	European Union							
Bulgarian		Х	Х		Х			
Danish	Х	Х	Х					
German	Х	Х	Х	Χ	Х			
Estonian		Х	Х					
Finnish	Х	Х	Х					
French	Х	Х	Х		Х			
Greek		Х	Х					
English	Х	Х	Х	Х	Х			
Italian	X	Х	Х		Х			
Croatian		Х	Х					
Latvian		Х	Х					
Lithuanian		Х	Х					
Dutch	Х	Х	Х					
Polish	Х	Х	Х		Х			
Portuguese	Х	Х	Х					
Romanian	Х	Х	Х					
Swedish	Х	Х	Х					
Slovak		Х	Х					
Slowenian	Х	Х	Х					
Spanish	X	Х	Х		Х			
Czech	Х	Х	Х		Х			
Hungarian	Х	Х	Х					
Europe (Non-EU))							
Macedonian		Х	Х					
Norwegian		Х	Х					
Russian	Х	Х	Х		Х			
Serbian		Х	Х					
Turkish		Х	Х					
Asia								
Chinese (simplified)	Х	Х	Х		Х			
Chinese (traditional)	Х	Х	Х		Х			
Japanese			Х					
Korean	Х		Х		Х			
Thai		Х	Χ					
Middle East								
Arabian		Х						
Persian		Х						

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.

Germany

cab Produkttechnik GmbH & Co KG

Karlsruhe

Phone +49 721 6626 0

www.cab.de

France

cab Technologies S.à.r.l.

Phone +33 388 722501

www.cab.de/fr

USA

cab Technology, Inc.

Chelmstord, MA

Phone +1 978 250 8321 **www.cab.de/us**

Mexico

cab Technology, Inc.

Juárez

Phone +52 656 682 4301

www.cab.de/es

Taiwan

cab Technology Co., Ltd.

Taipei

Phone +886 (02) 8227 3966

www.cab.de/tw

China

cab (Shanghai) Trading Co., Ltd.

Shanghai

Phone +86 (021) 6236 316

www.cab.de/cn

Singapore

cab Singapore Pte. Ltd.

Singapore

Phone +65 6931 9099

www.cab.de/en

South Africa

cab Technology (Pty) Ltd.

Randburg

Phone +27 11 886 3580

www.cab.de/za

cab // 820 distribution and service partners in more than 80 countries

