cab

we identify more

Products need labeling

Tube labeling systems

AXON

Made in Germany

Reliable tube and vial labeling using AXON

Tubes

Vials

Samples identified in real time

Unique labeling enables samples be assigned quick and reliably in labs.

In practice, self-adhesive labels are applied individually to tubes or vials. 1D or 2D encoding enables samples be processed fully automated in transport and filing.

AXON has been designed for direct thermal and thermal transfer label printing. 300 dpi or 600 dpi print resolutions favor sharp-edge and high-contrast print images. The smallest codes and fonts can be verified reliably.

A labeling cycle takes less than two seconds.

Tubes and vials with or without a closure cap can be inserted by hand or automated by a handling system.

Symbols on the control panel support AXON be operated intuitively. Replacing a label roll or a ribbon is no big deal. In cases of cleaning or wear, print rollers and transport rollers are easy to remove using a tool attached.

RS232, USB, Ethernet, WLAN and Bluetooth ensure data be transferred. AXON integrates to Laboratory Information Management Systems (LIMS).

If no PC is plugged, variable data can be entered on a control panel, with the help of a keyboard or a scanner.

110 VAC to 240 VAC input voltage at 50 / 60 Hz, 24 VDC to 60 VDC are options

AXON 1		AXON 2
Modules of a SQUIX 2P label printer and modules of the tube applicator are united in one chassis.	**Printer**	Standard SQUIX 4MP label printer providing an AXON 2 applicator
no more than 56 mm	**Label widths**	no more than 110 mm
vertical	**Tube / Vial orientation**	horizontal
Once tubes or vials have been inserted to the retainer, they can be filled and sealed.	**Particularity**	Identified tubes and vials can be ejected automatically, for example to a tray.
7 - 26 mm a maximum of 35 mm may be possible upon request	**Tube / Vial diameters**	7 - 22 mm
20 - 130 mm	**Tube / Vial lengths**	25 - 120 mm
Warning on a label roll ending Codes be verified	**Options**	-

AXON 1 tube labeling systems

AXON 1.2
processing labels 5 mm to 56 mm wide

❶ **Ribbon retainer**
Materials are easy to remove with the help of
a three-part tightening axle.

❷ **Antistatic brush**
Electrostatic charge dissipates after printing,
in particular if plastic materials are in use.

❸ **Transport roller**
Labels are applied to tubes or vials.
Height setting according to the length of a tube or vial

❹ **Control panel**
Intuitive operation using self-explanatory symbols
Rotation in steps of 90° by software command

❺ **Internal liner rewind unit**
Materials are easy to remove with the help of
a three-part tightening axle.

❻ **Print roller**
Synthetic rubber favors highly accurate print images.

❼ **Peel-off plate, extended**
It promotes labels be applied reliably to tubes or vials.

❽ **Pinch roller**
Tubes or vials are pressed against the transport roller
as labels are applied.

❾ **Solid cast aluminum chassis**
Base of all components

❿ **Base plate**
Height setting enables labels be located accurately
to target positions on tubes or vials.

AXON 1.1

processing labels 5 mm to 24.5 mm wide

Small tubes or vials can be inserted more easily.

Options provided for AXON 1 tube labeling systems

3.1

Cast aluminum cover
It prevents from contamination.
A large inspection window is provided.

3.2

CC200-AXON code verifier
One 1D code* on a label can be checked on readability (GOODBAD)
by a camera. Results are compared with the print data (VERIFY).

*2D-Codes in preparation

3.3

Warning on a label roll ending, in preparation
Remaining roll diameters are detected by a sensor.
The I/O interface indicates predefined minimum values.
Diameters may be requested or displayed also
using data interfaces.

3.4

K Type peel-off plate, customer-specific
If closures of tubes or vials interfere with a peel-off plate,
adaption is required.

3.5

❶ 24 VDC - 60 VDC input voltage
Instead of standard power supply, a 24 VDC to 60 VDC module
can be installed. A mating plug is provided on delivery.

3.6

❷ Digital 24 VDC I/O interface
SUB-D socket connector, 25 pins

or

❸ 2 port Ethernet switch 10/100 Mbit/s
Another terminal device can be plugged
to a shared network. Signals loop through.

3.7

AXON 2 tube applicator

See further information
on SQUIX 4MP label printers
www.cab.de/en/squix

1 Peel-off plate
Adapted specifically to tubes and vials

2 TRV 14 transport roller (Ø 14 mm)
Labels are applied to tubes or vials of diameters
10 mm to 22 mm. By moving the roller along the shaft
to specified positions, closure caps or protruding threads
remain located beside the roller.

Operations require labels no more than 56 mm wide and a
Type 56 peel-off plate. In cases of smaller diameters or wider
labels, adapted transport rollers are provided as options.

3 Pinch rollers
Aligned according to the length of a tube or vial
Tubes or vials are pressed against the transport roller
as labels are applied.

4 Swivel arms providing a stop
Axial setting according to the length of a tube or vial
and the label position

5 Material replacement
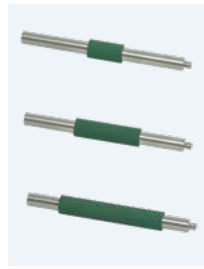Pivoting the applicator simplifies labels or ribbons be replaced.

6 Tray
Tubes or vials ejected automatically after printing are collected.

Options provided for SQUIX 4MP label printers

2.1

Slim DR4-M print rollers
If narrow labels are in use, accurate print images require adapted print rollers. Enhanced roller wear and contamined print heads are avoided, so are errors during label feed.

DR4-M30 - labels no more than 25.4 mm wide
DR4-M60 - labels no more than 56.0 mm wide
DR4-M80 - labels no more than 76.0 mm wide
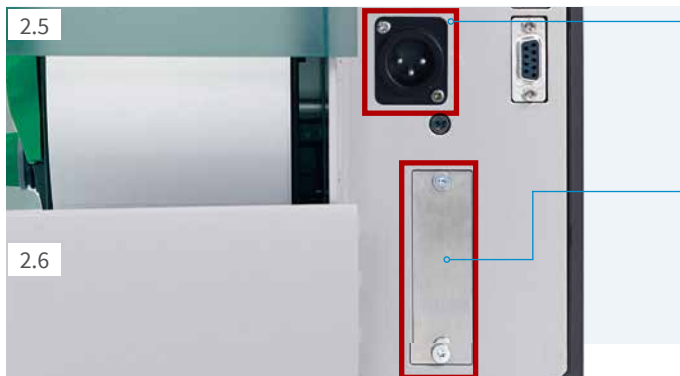

2.2-2.4

Peel-off plates
Feeding below a pulley promotes labels be dispensed reliably.
Type 56   - labels nor more than 56 mm wide (Ø14 mm)
Type 56   - labels nor more than 56 mm wide (Ø18 mm)
Type 110 - labels no more than 110 mm wide (Ø14 mm)
K Type   - customer-specific, if closures of tubes or vials interfere with a standard peel-off plate

2.5
2.6

❶ **24 VDC - 60 VDC input voltage**
Instead of standard power supply, a 24 VDC to 60 VDC module can be installed.

❷ **24 VDC digital I/O interface**
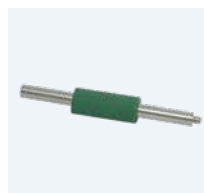SUB-D socket connector, 25 pins

or

❸ **2 port Ethernet switch 10/100 Mbit/s**
Another terminal device can be plugged to a shared network. Signals loop through.

2.7

Options provided for the AXON 2 tube applicator

5.1

TRV 18 transport roller (Ø 18 mm) up to 56 mm label width
Labels are applied to tubes or vials of diameters 7 mm to 12 mm. By moving the roller along the shaft to specified positions, closure caps or protruding threads remain located beside the roller. Operations require labels no more than 56 mm wide and a Type 56 peel-off plate.

5.2
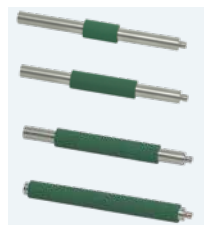
Transport rollers
If tubes with diameters 10 mm to 22 mm are in use

Type	maximum label width	peel-off plate
DR4-M30	25.4 mm	56 mm
DR4-M60	56.0 mm	56 mm
DR4-M80	76.0 mm	110 mm
DR4	110 mm	110 mm

5.3

TRK transport roller, customer-specific
If tube or vial dimensions do not coincide with specified transport rollers

Type 56, type 110 or K Type peel-off plates are required.

Control panel

Intuitive operation
Settings are easy to configure using self-explanatory symbols.

❶ **LED:** Power ON

❷ **Status bar:** Receive data, record datastream,
warning on a ribbon ending, SD memory card / USB stick plugged,
Bluetooth, WLAN, Ethernet, USB slave, Time

❸ **Printer status:** Ready, pause, number of labels printed on a print job,
label in peel-off position, awaiting external start signal

❹ **USB slot** to plug a service key or a memory stick,
to store data in the internal IFFS printer memory

❺ **Operation**

🔄 Print and apply labels step by step

⚙ Jump to menu

🖨 Reprint the last label

⏸ Interrupt and continue a print job

✋ Stop and delete all print jobs

⬇ Label feed

Landscape or portrait display
depending on the orientation of assembly

AXON 1 tube labeling system

Rotation in steps of 90° by software command

SQUIX label printer representing AXON 2

Setup options

Print parameters
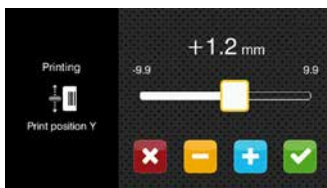
Print positions Y

Print speeds

Video tutorials

See AXON 1 videos on
www.cab.de/en/axon1-videos

See AXON 2 videos on
www.cab.de/en/axon2-videos

Interfaces

❶ Slot to plug a **SD memory card**

❷ **2 USB hosts** to plug a service key, a USB stick,
a keyboard, a barcode scanner, an USB Bluetooth adapter,
an USB WLAN stick or an external control panel

❸ **USB 2.0 Hi-speed** to plug a PC

❹ **Ethernet 10/100 Mbit/s**

❺ **RS232-C** 1,200 to 230,400 Baud / 8 Bit

Options

❻ **Digital I/O interface**
SUB-D socket connector, 25 pins
compliant with IEC/EN 61131-2, Type 1+3
Inputs and outputs are galvanically isolated and protect
from reverse polarity. Outputs are short-circuit proof.

| PNP inputs	PNP, NPN outputs
Start printing / applying a label	Device ready
Print initial label	Print data available
Reprint	Initial position / upper end limit
Delete print job	Paper feed ON
Label removed	Label in peel-off position
Stop printing / applying a label	Labeling position / lower end limit
Label feed	Warning on a ribbon ending
Pause	Warning on a label roll ending*
Reset	Ribbon / Label roll ending
	Collective error
	*AXON 1 only

or

❼ **2 port Ethernet switch 10/100 Mbit/s**

AXON 1 tube labeling system
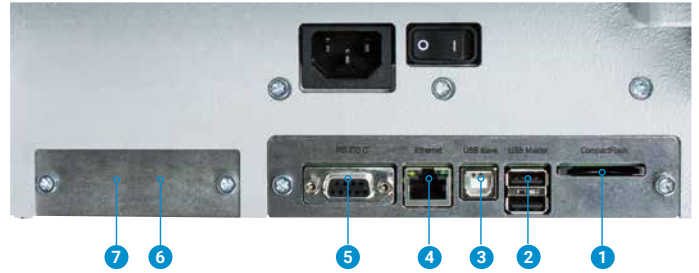
SQUIX label printer representing AXON 2
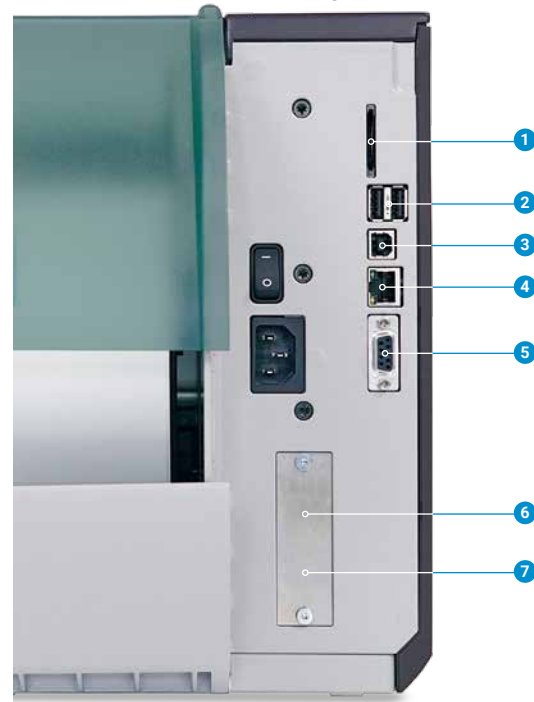
Accessories

They are plugged or screwed to a printer by the customer.

2.7	**SD memory card**
2.8	**USB stick**
2.9	**USB WLAN stick** 2.4 GHz 802.11b/g/n Hotspot or infrastructure mode
2.10	**USB WLAN stick with a rod antenna** 2.4 GHz 802.11b/g/n + 5 GHz 802.11a/n/ac Hotspot or infrastructure mode Extended range of operation
2.11	**USB Bluetooth adapter**
2.12	**I/O interface plug** SUB-D, 25 pins All control signals can be attached to the I/O interface using clamping screws.

2.13	**External control panel** Same functionality as on a printer If the control panel on a printer cannot be accessed, an external one can be attached. Landscape or portrait display Operators are free to control either on an external panel or the one on a printer. Power supply requires special connecting cables. USB 2.0 Hi-speed to plug a printer **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
2.14	**TR2 hand switch** A digital I/O interface is required
4.1	**Connecting RS232-C cable** 9/9 pins, 3 m

Technical data

					● typical	○ possible	■ standard	□ option

Tube labeling system	Type	AXON 1.1		AXON 1.2		Label printers providing AXON 2		
						SQUIX 4.3MP	SQUIX 4MP	SQUIX 4MP
Print head								
Print method	Thermal transfer	●	●	●	●	●	●	●
	Direct thermal	●	–	●	–	●	○	–
Print resolution	dpi	300	600	300	600	300		600
Print speed	mm/s	100	100	100	100	150		150
Print width	mm max.	25.4	25.4	56.9	54.1	108.4	105.7	105.7
Material								
Tubes / Vials Orientation at the time of a label be applied		vertical				horizontal		
	Diameter mm	7 - 26				10 - 22	If options are provided: 7 - 12	
	mm upon request max.	35				–		
	Length, closure cap included mm	20 – 50		32 - 130		25 - 120		
	Conicity (change in diameter) % max.	0.8				0.8		
Labels[1]	Material	Paper, plastics such as PET, PP				Paper, plastics such as PET, PP		
	Width mm	5 - 25.4		5 - 56		5 - 56	If options are provided: 5 - 110	
	Height mm at least	12				12		
	Thickness mm at least	0.05				0.05		
	Roll diameter mm max.	205				205		
	Core diameter mm	76				38 - 76		
	Winding	outside				outside		
Liner	Width mm	16 - 30		24 - 60		9 - 60	If options are provided: 9 - 114	
	Thickness[2] mm at least	0.05				0.05		
Ribbon	Coating	outside or inside				outside or inside		
	Roll diameter mm max.	80				80		
	Core diameter mm	25				25		
	Length m max.	600				600		
	Width mm	25 - 38.1		25 - 60		25 - 114		
Printer dimensions and weights								
Width x Height x Depth mm		270 x 195 x 560				252 x 288 x 520		
Weight kg approx.		12				12		
Label sensors / Position indicators								
Transmissive sensor to detect		labels or punch marks and materials ending, print marks on transparent materials						
Reflective sensor bottom or top reflex to detect		labels and materials ending, print marks on non-transparent materials						
Sensor distance	to the contact edge left-aligned mm	8		5 - 12		-		
	center to the contact edge centered mm	-		-		0 - 55		
Interfaces								
RS232-C 1,200 to 230,400 Baud / 8 Bit		■						
USB 2.0 Hi-speed to plug a PC		■						
Ethernet 10/100 Mbit/s		LPD, RawIP printing, SOAP web service, OPC UA, WebDAV DHCP, HTTP / HTTPS, FTP / FTPS, TIME, NTP, Zeroconf, SNMP, SMTP, VNC						
1 USB host on the control panel to plug a		service key, USB stick						
2 USB hosts on the back of the device to plug a		keyboard, barcode scanner, USB Bluetooth adapter, USB WLAN stick						
Digital 24 VDC I/O interface		□						
2 port Ethernet switch 10/100 Mbit/s		□						
Operational data								
Voltage	100 - 240 VAC, 50 / 60 Hz, PFC	■						
	24 - 60 VDC	□						
Power input		< 10 W in standby / 100 W are typical						
Temperature / Humidity	In operation	+5 - 40°C / 10 - 85 %, not condensing						
	On stock	0 - 60°C / 20 - 85 %, not condensing						
	In transport	−25 - 60°C / 20 - 85 %, not condensing						
Approvals		CE (In-vitro), FCC Class A, ICES-3, cULus, CB				CE (In-vitro), FCC Class A, ICES-3, cULus, CB		
		further approvals on request				CCC, EAC, BIS, BSMI, KC-Mark, CoC Mexico		
Control panel								
LCD color touchscreen	Screen diagonal "	4.3						
	Resolution - Width x Height px	272 x 480						

[1] Limitations may apply when using small labels, thin materials or strong adhesive. Critical applications need testing.
[2] Peeling labels off a liner requires liner materials not thicker than the labels.

Technical data

standard ■   option □

Setup options		
	Print	Region:
	Labels	- Language
	Ribbon	- Country
	Label peel-off	- Keyboard
	Apply labels	- Time zone
	Interfaces	Time
	Error	Display:
		- Brightness
		- Low-power mode
		- Orientation
		Interpreter

Status bar		
	Receive data	Bluetooth
	Record datastream	WLAN
	Warning on a ribbon ending	Ethernet
	SD memory card plugged	USB slave
	USB stick plugged	Time

Technical control		
	Ribbon winding	Print head voltage
	Warning on a ribbon ending	Print head temperature
	Ribbon ending	Print head open
	Label roll ending	
		Pinch roller open
	Tube / Vial diameter	
	Tube / Vial available	Peripheral error
	Warning on a label roll ending	Code verifier*
	Cover closed*	
		*AXON 1 only

Test routines		
System check	when turning on the device print heads are also detected	
Info display, test printout, analysis	Status printout	Test grid
	Fonts list	Label profile
	List of devices	List of events
	WLAN status	Monitor mode
Status notifications	- Printout of device figures, such as print durations or hours of operation - Device status request by software command - Indication of errors related to a network, barcode or periphery, missing links, etc.	

Fonts		
Internal	5 bitmap fonts:	7 vector fonts:
	12 x 12 dots	AR Heiti Medium GB-Mono
	16 x 16 dots	CG Triumvirate Condensed Bold
	16 x 32 dots	Garuda
	OCR-A	HanWangHeiLight
	OCR-B	Monospace 821
		Swiss 721
		Swiss 721 Bold
To store	TrueType fonts	
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	
	MacRoman	
	DEC MCS	
	KOI8-R	
	Western European	Cyrillic
	Eastern European	Greek
	Chinese, traditional	Latin
	Chinese, simplified	Hebrew
	Thai	Arabian
Bitmap	Widths and heights 1 - 3 mm Zoom factors 2 - 10 0°, 90°, 180°, 270° orientations	
Vector / TrueType	Widths and heights 0.9 - 128 mm Continuous zoom 360° orientation in steps of 1°	
Font styles	Bold, italic, underlined, outline, inverse - depending on the font type	
Character pitch	Variable or monospace	

Graphics	
Elements	Lines, arrows, rectangles, circles, ellipses - filled and gradient
Formats	PCX, IMG, BMP, TIF, MAC, GIF, PNG

Codes	
1D barcodes (linear)	Code 39, Code 93 Code 39 Full ASCII Code 128 A, B, C EAN 8, 13 Interleaved 2/5
2D and stacked codes	DataMatrix DataMatrix Rectangle Extension QR code Micro QR code UPS MaxiCode Codablock F Request for further codes.
	Codes be verified by a CC200 verifier requires approval depending on code types, sizes and contents. Check digits, plain text printout and start/stop encoding are options depending on the code type.

Software		
Label software	cablabel S3 Lite	■
	cablabel S3 Viewer	■
	cablabel S3 Pro	□
	cablabel S3 Print	□
Running also with	CODESOFT	
	NiceLabel	AXON 2 only
	BarTender	
Stand-alone operation		■
Windows printer drivers* WHQL-certified for	Windows Vista Server 2008 Windows 7 Server 2008 R2 Windows 8 Server 2012 Windows 8.1 Server 2012 R2 Windows 10 Server 2016 Server 2019	■
Mac OS X printer drivers	at least Mac OS 10.6 and driver version 1.44	■
Linux printer drivers	at least CUPS 1.2 and driver version 1.44	■
Programming	JScript printer language	■
	abc Basic Compiler	■
	ZPL II (Datastream be tested in advance)	□
Integration	SAP	■
	Database Connector	■
Administration	Printer control	■
	Configuration on the Intranet / Internet	■
	Network Manager (in preparation)	■

*available for AXON 1 end of 2021

Free and Open Source software are part of cab products.
For information see **www.cab.de/opensource**

cablabel S3 software

Design, print, administrate

cablabel S3 opens up the full potential of cab devices.
If designing a label, the modular software adapts to requirements.
Plugins are provided, such as the JScript Viewer to support native
JScript programming. The user interface and the JScript code
synchronize in real time. Features such as the Database Connector
can be included, so can barcode verifiers.

For further information see
www.cab.de/en/cablabel

Stand-alone printing

Printers in this mode of operation are able to select labels
and print them when no host is connected.

Labels are designed on a PC, using software such as cablabel S3
or a text editor. Label formats, contents, graphics and data
off a database are stored on a memory card, a USB stick
or in the internal IFFS printer memory.

Only variable data are sent to a printer from a host system
such as a keyboard, a barcode scanner or a scale and/or
requested from a host by the Database Connector and printed.

OPC UA

The latest cab printers are ready to interact with machines
and components of different manufacturers in industrial plants.

An OPC UA server and an OPC UA client are part of the firmware.

The OPC UA server enables a printer be configured and controlled
and dynamic print data be edited using a selected
programming interface.

The OPC UA client enables data on other OPC UA-ready machines
be read and included on a label design.
No additional software is required.
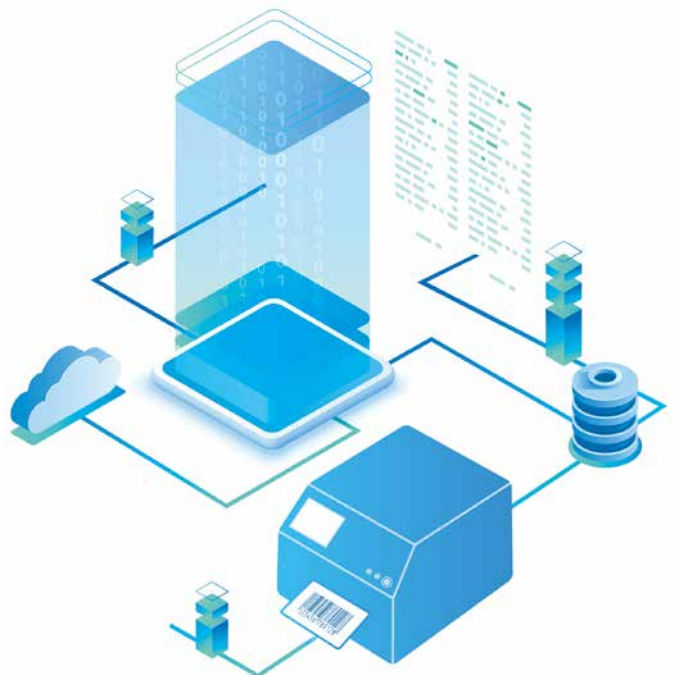
Printer control

Drivers

cab provides 32 / 64 bit drivers to control with software other than cablabel S3. Running them requires at least operating systems Windows Vista, Mac OS 10.6, Linux CUPS 1.2.

Windows[1] drivers
WHQL-certified to guarantee maximum reliability with Windows operating systems

Mac OS X[2][3] drivers
Based on CUPS
Running with all programs in Mac OS X

Linux[3] drivers
Based on CUPS

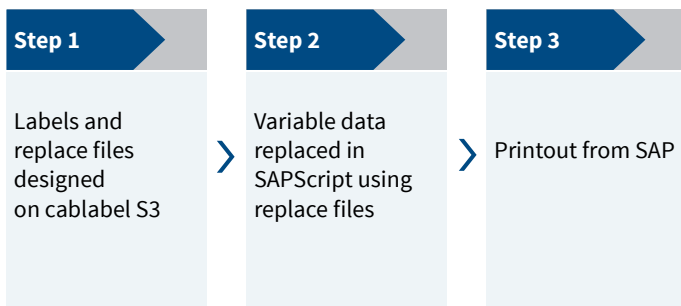Free download on **www.cab.de/en/support**

Programming

JScript
Embedded programming language developed by cab
Free manual download on **www.cab.de/en/programming**

abc Basic Compiler
Integral part of the firmware
It adds to JScript in terms of programming a printer before data are edited for processing. External printer languages can be replaced without intervening in print jobs in process, data be transferred also from scales, barcode scanners or a PLC, and further.

Integration

Printer Vendor program
cab is a member
A replace method enables cab printers be controlled from SAP[4]R/3 using SAPScript. Only variable data are sent by a host system to the printer. Data such as pictures and fonts, which had been transferred to a local memory (IFFS, memory card, etc.) before, are collected.

| Step 1	Step 2	Step 3
Labels and replace files designed on cablabel S3	Variable data replaced in SAPScript using replace files	Printout from SAP

Printer administration

Configuration on the Intranet / Internet

By integrating a HTTP and FTP server, printers can be controlled, firmware be updated and memory cards be managed using a standard web browser or a FTP client. Administrators and operators are notified of states, warnings and errors via email or datagrams, on the basis of a SNMP / SMTP client. Time and date synchronize on the basis of a time server.

Network Manager in preparation

Multiple printers in a network can be controlled simultaneously, firmware be updated, memory cards be managed, data be synchronized and PINs be administrated from one place.
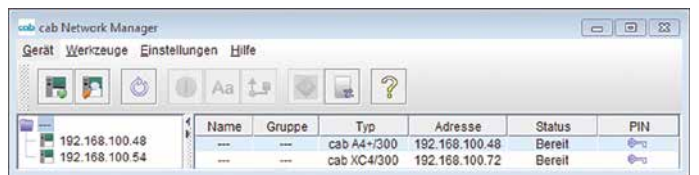
Database Connector

Printers plugged to a network can access data directly from a central ODBC / OLEDB database to print on a label. During printing, data can be resent to the database.

[1] Windows is a registered trademark of Microsoft Corporation
[2] MAC OS X is a registered trademark of Apple Inc.
[3] SQUIX, MACH 4S, EOS, HERMES Q, PX Q, AXON 1/2 are supported
[4] SAP and all its corresponding logos are trademarks or registered trademarks of SAP SEE

Delivery program

AXON 1 tube labeling systems

Pos.		Part no.	Indication
1.1		**5984920.xxx**	AXON 1.1/300 tube labeling system
1.2		**5984930.xxx**	AXON 1.1/600 tube labeling system
1.3		**5979600.xxx**	AXON 1.2/300 tube labeling system
1.4		**5979740.xxx**	AXON 1.2/600 tube labeling system
		5561500	System aligned and checked using customer materials

xxxxxxx.250 system providing options

Options provided for AXON 1 tube labeling systems

Pos.		Part no.	Indication
3.1		**5988215.250**	Cover
3.2		**5988255.250**	CC200-AXON code verifier available from September 2021
3.3		**5979765.250**	Warning on a label roll ending in preparation
3.4		**59xxxxx.250**	K Type peel-off plate
3.5		**5551407.250**	DC/DC converter 24 - 60 VDC in preparation
3.6		**6010372.xxx**	Digital 24 VDC I/O interface
3.7		**6010520.xxx**	2 port Ethernet switch 10/100 Mbit/s

xxx - **.250** **assembled to a system**
.001 **separate delivery as an accessory**

Tube labeling systems - Scope of delivery
Tube labeling system Type E+F power cable, 1.8 m Connecting USB cable, 1.8 m Instructions DE/EN

Available online
Instructions Configuration manuals DE/EN/FR Service manuals DE/EN Spare parts lists DE/EN Programming manual EN Windows printer drivers WHQL-certified for

https://setup.cab.de/en

Windows Vista	Server 2008
Windows 7	Server 2008 R2
Windows 8	Server 2012
Windows 8.1	Server 2012 R2
Windows 10	Server 2016
	Server 2019

Mac OS X printer drivers DE/EN/FR
Linux printer drivers DE/EN/FR
cablabel S3 Lite software
cablabel S3 Viewer
Database Connector

AXON 2 tube labeling systems

Pos.		Part no.	Indication
1.1		**5977023.xxx**	SQUIX 4.3/300MP label printer
		5977007.xxx	SQUIX 4/300MP label printer
		5977008.xxx	SQUIX 4/600MP label printer
6.1		**5987150.xxx**	AXON 2 tube applicator providing a TRV 14 transport roller a tray
		5561500	System aligned and checked using customer materials

xxxxxxx.250 system providing options

Options provided for SQUIX label printers

Pos.		Part no.	Indication
2.1		**5953700.xxx**	DR4-M30 print roller
		5953701.xxx	DR4-M60 print roller
		5953702.xxx	DR4-M80 print roller
2.2		**5979627.xxx**	Type 56 peel-off plate (Ø14 mm)
		5987212.xxx	Type 56 peel-off plate (Ø18 mm)
2.3		**5979925.xxx**	Type 110 peel-off plate
2.4		**59xxxxx.250**	K Type peel-off plate
2.5		**5551407.250**	DC/DC converter 24 - 60 VDC in preparation
2.6		**6010372.xxx**	Digital 24 VDC I/O interface
2.7		**6010520.xxx**	2 port Ethernet switch 10/100 Mbit/s

Options provided for the AXON 2 tube applicator

Pos.		Part no.	Indication
5.1		**5987151.xxx**	TRV 18 transport roller
5.2		**5953700.xxx**	DR4-M30 print roller
		5953701.xxx	DR4-M60 print roller
		5953702.xxx	DR4-M80 print roller
		5954180.xxx	DR4 print roller
5.3		**59xxxxx.250**	TRK transport roller
		5535960	TRK one-off costs

xxx - **.250** **assembled to a system**
.001 **separate delivery as an accessory**

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are added by .250. Options delivered separately are added by .001.

Delivery program

AXON 1 / SQUIX accessories

Pos.		Part no.	Indication
2.7		5977370	SD memory card
2.8		5977730	USB memory stick
2.9		5978912	USB WLAN stick 2.4 GHz 802.11b/g/n
2.10		5977731	USB WLAN stick with a rod antenna 2.4 GHz 802.11b/g/n + 5 GHz a/n/ac
2.11		5977732	USB Bluetooth adapter
2.12		5917651	I/O interface plug SUB-D, 25 pins
2.13		6010186	External control panel
		5907718.850	Connecting USB cable, 1.8 m
		5907730.850	Connecting USB cable, 3 m
		5907750.850	Connecting USB cable, 5 m
		5907760.850	Connecting USB cable, 11 m
		5907765.850	Connecting USB cable, 16 m
2.14		5955710	TR2 hand switch
4.1		5550818	Connecting RS232-C cable 9/9 pins, 3 m

AXON 1 wear parts

Pos.		Part no.	Indication	dpi
		5977384.001	Type 2 print head	300
		5977385.001	Type 2 print head	600
		5954102.001	DR2 print roller	
		5954104.001	RR2 pulley	

SQUIX label printer wear parts

Pos.		Part no.	Indication	dpi
		5977383.001	Type 4.3 print head	300
		5977444.001	Type 4 print head	300
		5977380.001	Type 4 print head	600
		5954180.001	DR4 print roller	
		5954183.001	RR4 pulley	

Scopes of delivery, designs and technical data correspond to the date of this edition and are subject to change. Information provided in the catalogue do not represent any warranty or guarantee.

AXON 1 / SQUIX label software

Pos.		Part no.	Indication
7.6		Bundle	cablabel S3 Lite (download on 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 additional licence
		5588151	cablabel S3 Pro, 4 additional licences
		5588152	cablabel S3 Pro, 9 additional licences
		5588002	cablabel S3 Print, 1 WS
		5588105	cablabel S3 Print, 5 WS
		5588106	cablabel S3 Print, 10 WS
		5588155	cablabel S3 Print, 1 additional licence
		5588156	cablabel S3 Print, 4 additional licences
		5588157	cablabel S3 Print, 9 additional licences
		in preparation	cablabel S3 Print Server
7.10		9008486	Programming manual EN, printed copy

AXON 1 / AXON 2 / SQUIX user languages

Language	Instructions*			Control panel	Windows driver	cablabel S3
	AXON 1	AXON 2	SQUIX			SQUIX
European Union						
Bulgarian			X	X		X
Danish			X	X	X	
German	X	X	X	X	X	X
Englisch	X	X	X	X	X	X
Estonian			X	X		
Finnish			X	X	X	
French	X		X	X	X	X
Greek			X	X		
Italian			X	X	X	X
Croatian			X	X	X	
Latvian			X	X		
Lithuanian			X	X	X	
Dutch			X	X	X	
Polish			X	X	X	X
Portuguese			X	X	X	
Romanian			X	X		
Swedish			X	X	X	
Slovak			X	X	X	
Slowenian			X	X	X	
Spanish			X	X	X	X
Czech			X	X	X	X
Hungarian			X	X	X	
Europe (Non-EU)						
Macedonian			X			
Norwegian			X	X	X	
Russian			X	X	X	X
Serbian			X			
Turkish			X	X	X	
Asia						
Chinese, simplified			X	X	X	X
Chinese, traditional			X	X	X	X
Japanese			X	X		
Korean			X	X	X	X
Thai			X	x	X	
Middle East						
Arabian			X			
Hebrew					X	
Persian			X			

*more languages in preparation

Checklist for AXON tube labeling systems

Customer / Customer no. _____	**Date of issue** _____
Contact _____	**Target date** _____
Phone _____	**Project owner** _____
Street _____	**Project control** _____
Zip code / City _____	**Configurator no.** _____
Email _____	(filled in by cab)

1. **Label**   Width B _____ mm
                      Height H _____ mm
                      Type of material _____
                      Width T of liner _____ mm

2. **Print method**   2.1 ☐ Direct thermal
                         2.2 ☐ Thermal transfer

3. **Ribbon**   Width _____ mm
                      Type of material _____
                      Winding   ☐ inside   ☐ outside

4. **Tubes / Vials**   1 Diameter D1 _____ mm
                          2 Diameter D2 _____ mm
                          3 Diameter D3 _____ mm
                          4 Length L _____ mm
                          5 Distance E _____ mm
                          6 Height F _____ mm
                          7 Insertion / Removal ☐ by hand ☐ automated
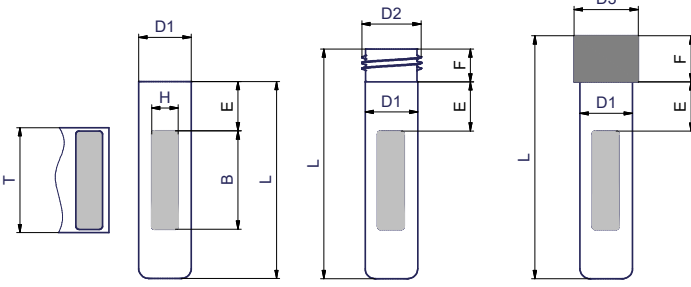
☐ 5561500 **System aligned and checked**
            Required are approx.   100 tubes / vials
                                    1 label roll
                                    1 ribbon roll

AXON 1

5. **Tube labeling systems**
5.1   ☐ 5984920.xxx   AXON 1.1/300 tube labeling system
5.2   ☐ 5984930.xxx   AXON 1.1/600 tube labeling system
5.3   ☐ 5979600.xxx   AXON 1.2/300 tube labeling system
5.4   ☐ 5979740.xxx   AXON 1.2/600 tube labeling system

6. **Options**
6.1   ☐ 5988215.250   Cover
6.2   ☐ 5988255.250   CC200-AXON code verifier (provided upon request)
6.3   ☐ 5979765.250   Warning on a label roll ending (in preparation)
6.4   ☐ 5551407.250   DC/DC converter 24 - 60 VDC (in preparation)
6.5   ☐ 59xxxxx.250   K Type peel-off plate (customer-specific)
6.6   ☐ 59xxxxx.250   Kit for processing tube diameters 26 mm to 35 mm

Filled in by cab:
Practicable   ☐ **yes**   ☐ **no**
      Name _____
      Phone _____
      Email _____

      Date _____   **Signature** _____

Customer approval required after check of practicability:
                                   ☐ **yes**   ☐ **no**
      Name _____
      Phone _____
      Email _____

      Date _____   **Signature** _____

AXON 2

5. **Tube / Vial opens** to the   ☐ right   ☐ left

6. **Tube / Vial removal**   ☐ as inserted ☐ off a tray

7. **Label printers configured for tube applicator use**
7.1   ☐ 5977023.xxx   SQUIX 4.3/300MP label printer
7.2   ☐ 5977007.xxx   SQUIX 4/300MP label printer
7.3   ☐ 5977008.xxx   SQUIX 4/600MP label printer

8. **Options provided for label printers**
8.1   ☐ 5953700.xxx   DR4-M30 print roller (max. label width 25.4 mm)
8.2   ☐ 5953701.xxx   DR4-M60 print roller (max. label width 56 mm)
8.3   ☐ 5953702.xxx   DR4-M80 print roller (max. label width 76 mm)
8.4   ☐ 5979627.xxx   Type 56 peel-off plate (Ø 14 mm)
8.5   ☐ 5987212.xxx   Type 56 peel-off plate (Ø 18 mm)
8.6   ☐ 5979925.xxx   Type 110 peel-off plate (Ø 14 mm)
8.7   ☐ 59xxxxx.250   K Type peel-off plate (customer-specific)
8.8   ☐ 5551407.250   DC/DC converter 24 - 60 VDC (in preparation)

9. **Tube applicator**
9.1   ☐ 5987150.xxx   AXON 2 tube applicator providing
                       a TRV 14 transport roller (Ø 14 mm)
                       a tray

10. **Options provided for tube applicator use**
10.1 ☐ 5987151.xxx   TRV 18 transport roller (Ø 18 mm)
10.2 ☐ 5953700.xxx   DR4-M30 print roller (for transport roller use)
10.3 ☐ 5953701.xxx   DR4-M60 print roller (for transport roller use)
10.4 ☐ 5953702.xxx   DR4-M80 print roller (for transport roller use)
10.5 ☐ 5954180.xxx   DR4 print roller (for transport roller use)
10.6 ☐ 59xxxxx.250   TRK transport roller
      ☐ 5535960   TRK one-off costs

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Range of cab products

MACH1 / MACH 2
label printers

EOS 2
label printer

EOS 5
label printer

MACH 4S
label printer

SQUIX 2
label printer

SQUIX 4
label printer

SQUIX 6.3
label printer

A8$^+$
label printer

XD4T
duplex label printer

XC
two-color label printer

HERMES Q
print & apply system

Hermes C
two-color print & apply system

AXON
tube labeling system

PX Q
print module

Labels and ribbons

cablabel S3
label software

HS / VS
label dispensers

IXOR
labeling head

XENO 4
marking laser

Laser marking systems

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