Status: 09/2021

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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.

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

1 **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.

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

or

3 **2 port Ethernet switch 10/100 Mbit/s**
Another terminal device can be plugged to a shared network. Signals loop through.

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.

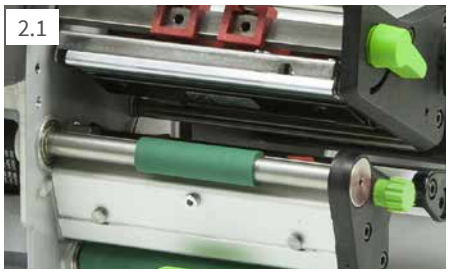
3 Pinch rollers
Aligned according to the length of a tube or vial
Tubes or vials are pressed against the transport roller as labels are applied.

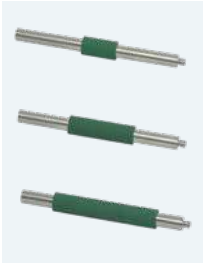
4 Swivel arms providing a stop
Axial setting according to the length of a tube or vial and the label position

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

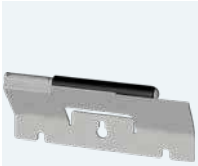




Slim DR4-M print rollers

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.

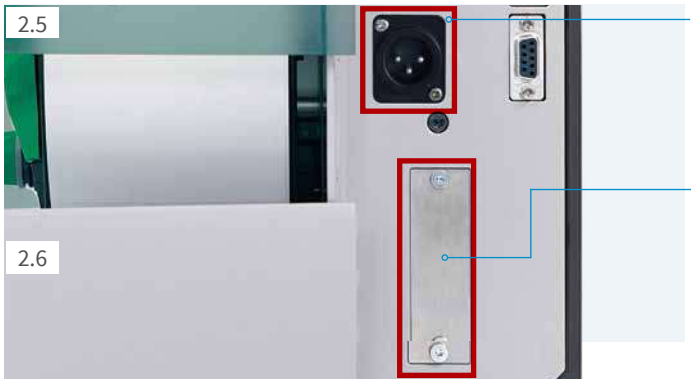
DR4-M30 - labels no more than 25.4 mm wide
DR4-M60 - labels no more than 56.0 mm wide
DR4-M80 - labels no more than 76.0 mm wide



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



1 24 VDC - 60 VDC input voltage

Instead of standard power supply, a 24 VDC to 60 VDC module can be installed.

2 24 VDC digital I/O interface

SUB-D socket connector, 25 pins

or

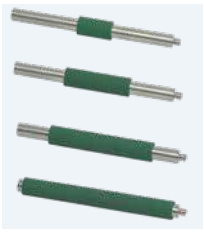
3 2 port Ethernet switch 10/100 Mbit/s

Another terminal device can be plugged to a shared network. Signals loop through.

Options provided for the AXON 2 tube applicator

TRV 18 transport roller (Ø 18 mm) up to 56 mm label width

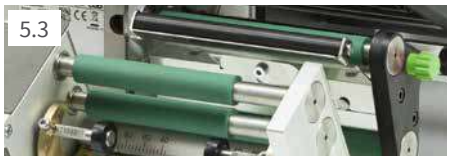
Labels are applied to tubes or vials of diameters 7 mm to 12 mm. By moving the roller along the shaft to specified positions, closure caps or protruding threads remain located beside the roller. Operations require labels no more than 56 mm wide and a Type 56 peel-off plate.



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



TRK transport roller, customer-specific

If tube or vial dimensions do not coincide with specified transport rollers

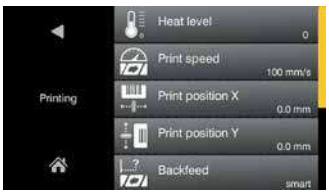
Type 56, type 110 or K Type peel-off plates are required.

Control panel

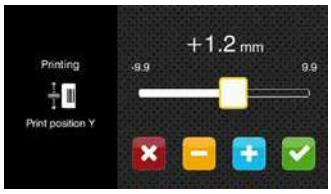
Intuitive operation
Settings are easy to configure using self-explanatory symbols.

1. **LED:** Power ON
2. **Status bar:** Receive data, record datastream, warning on a ribbon ending, SD memory card / USB stick plugged, Bluetooth, WLAN, Ethernet, USB slave, Time
3. **Printer status:** Ready, pause, number of labels printed on a print job, label in peel-off position, awaiting external start signal
4. **USB slot** to plug a service key or a memory stick, to store data in the internal IFFS printer memory
5. **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

Setup options



Print parameters



Print positions Y

Print speeds

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

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

1. Slot to plug a **SD memory card**
2. **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
3. **USB 2.0 Hi-speed** to plug a PC
4. **Ethernet 10/100 Mbit/s**
5. **RS232-C** 1,200 to 230,400 Baud / 8 Bit

Options

6. **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.

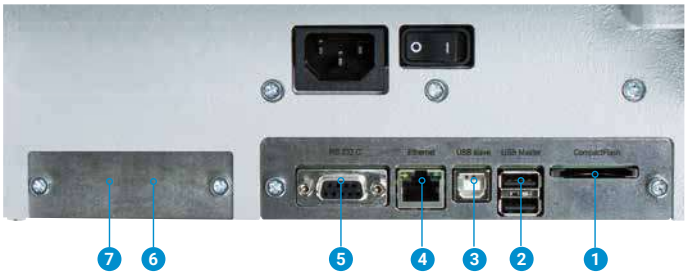
PNP inputs	PNP, NPN outputs
Start printing / applying a label	Device ready
Print initial label	Print data available
Reprint	Initial position / upper end limit
Delete print job	Paper feed ON
Label removed	Label in peel-off position
Stop printing / applying a label	Labeling position / lower end limit
Label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

*AXON 1 only

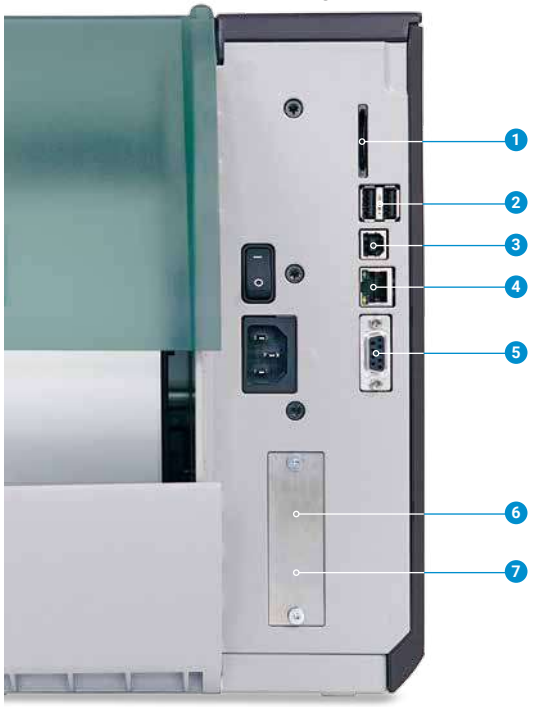
or

7. **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 Labels Ribbon Label peel-off Apply labels Interfaces Error	Region: - Language - Country - Keyboard - Time zone Time Display: - Brightness - Low-power mode - Orientation Interpreter
Status bar		
	Receive data Record datastream Warning on a ribbon ending SD memory card plugged USB stick plugged	Bluetooth WLAN Ethernet USB slave Time
Technical control		
	Ribbon winding Warning on a ribbon ending Ribbon ending Label roll ending Tube / Vial diameter Tube / Vial available Warning on a label roll ending Cover closed*	Print head voltage Print head temperature Print head open Pinch roller open Peripheral error Code verifier*
		*AXON 1 only
Test routines		
System check	when turning on the device print heads are also detected	
Info display, test printout, analysis	Status printout Fonts list List of devices WLAN status	Test grid Label profile List of events 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: 12 x 12 dots 16 x 16 dots 16 x 32 dots OCR-A OCR-B	7 vector fonts: AR Heiti Medium GB-Mono CG Triumvirate Condensed Bold Garuda HanWangHeiLight 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 Eastern European Chinese, traditional Chinese, simplified Thai	Cyrillic Greek Latin Hebrew 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 BarTender	AXON 2 only
Stand-alone operation		■
Windows printer drivers* WHQL-certified 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	■
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)	■ ■ ■

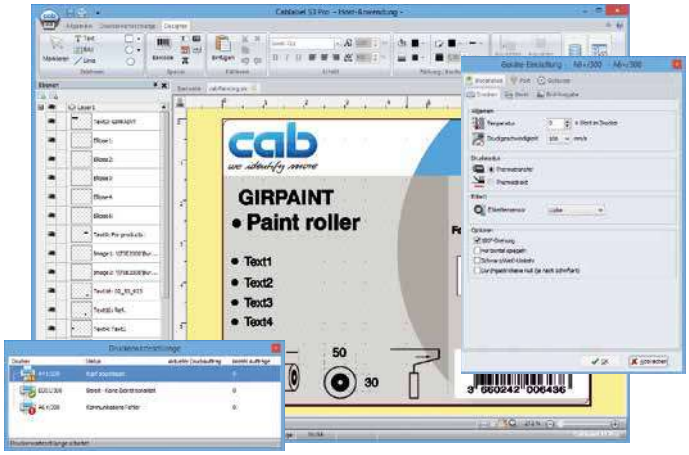
*available for AXON 1 end of 2021

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.

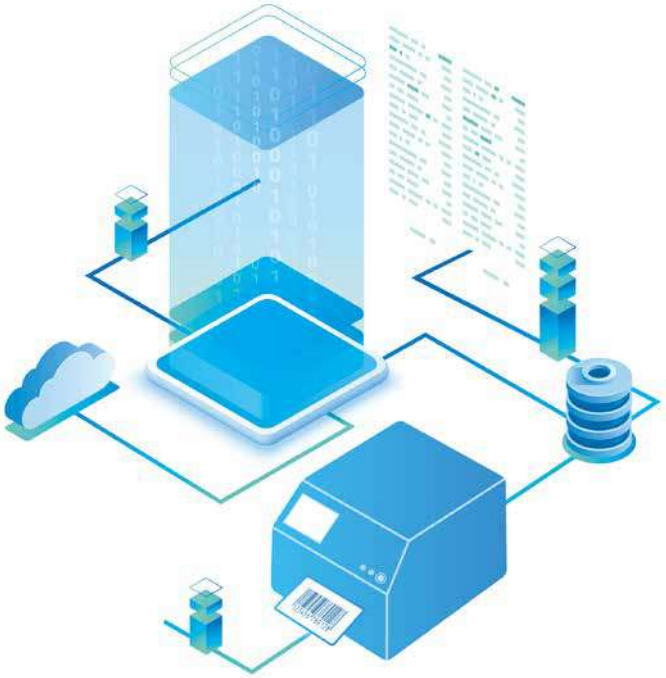
OPC UA

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

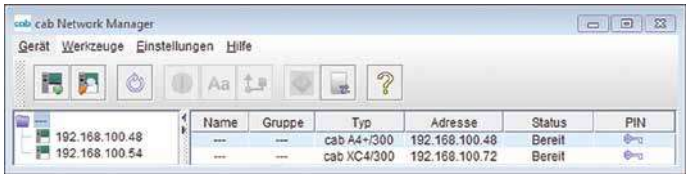
Printer administration

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

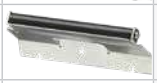
Available online
Instructions Configuration manuals DE/EN/FR Service manuals DE/EN Spare parts lists DE/EN Programming manual EN Windows printer drivers WHQL-certified for https://setup.cab.de/en Windows Vista / Server 2008 Windows 7 / Server 2008 R2 Windows 8 / Server 2012 Windows 8.1 / Server 2012 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** **5977007.xxx** **5977008.xxx**	SQUIX 4.3/300MP label printer SQUIX 4/300MP label printer 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** **5987212.xxx**	Type 56 peel-off plate (Ø14 mm) 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

Options are parts or components to perform special functions. They are assembled in addition to or instead of standards. In cases of options be assembled ex factory, the part numbers are added by .250. Options delivered separately are added by .001.

Delivery program

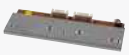
AXON 1 / SQUIX accessories

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** **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
2.14		**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** **5977385.001**	Type 2 print head Type 2 print head	300 600
		**5954102.001**	DR2 print roller	
		**5954104.001**	RR2 pulley	

SQUIX label printer wear parts

Pos.		Part no.	Indication	dpi
		**5977383.001** **5977444.001** **5977380.001**	Type 4.3 print head Type 4 print head Type 4 print head	300 300 600
		**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 **5588001** **5588100** **5588101** **5588150** **5588151** **5588152** **5588002** **5588105** **5588106** **5588155** **5588156** **5588157** in preparation	cablabel S3 Lite (download on cab.de/en) 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 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 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
Thai			X	x	X	
Middle East						
Arabian				X		
Hebrew					X	
Persian				X		

*more languages in preparation

Checklist for AXON tube labeling systems

Download checklist on
www.cab.de/en/axon-conf

Customer / Customer no. _____
Contact _____
Phone _____
Street _____
Zip code / City _____
Email _____

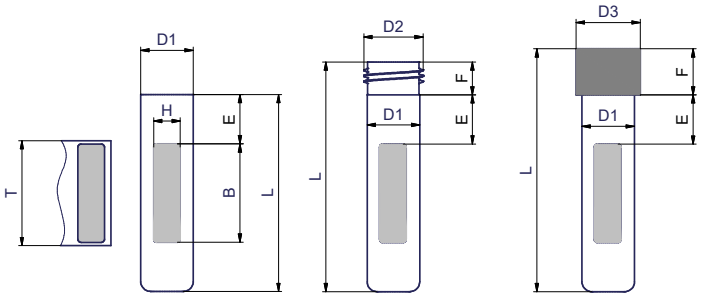
Date of issue _____
Target date _____
Project owner _____
Project control _____
Configurator no. _____
(filled in by cab)

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

For information on all products see **www.cab.de/en**

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