Status: 03/2025





# Reliable tube and vial labeling using AXON





## 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 and WLAN 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, 36 VDC to 60 VDC are options



### AXON 1 tube labeling systems



#### 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.

#### 🕖 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

#### 🔟 Base plate

Height setting enables labels be located accurately to target positions on tubes or vials.



**processing labels 5 mm to 25.4 mm wide** Small tubes or vials can be inserted more easily.

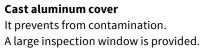


#### 36 VDC - 60 VDC input voltage

Instead of standard power supply, a 36 VDC to 60 VDC module can be installed. A mating plug is provided on delivery.

## Options provided for AXON 1 tube labeling systems











CC200-AXON code verifier

1D\* codes are checked by a camera. One code per label can be verified in terms of readability (GOODBAD). Results are compared with the print data (VERIFY).

\*2D codes in preparation

**K Type peel-off plate,** customer-specific If closure caps interfere with a peel-off plate, adaption is required.

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



### AXON 2 tube applicator



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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.

s noxa

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.

#### 🜀 Tray

Tubes or vials ejected automatically after printing are collected.

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

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## 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 56.1 - labels nor more than 56 mm wide (Ø14 mm)\* Type 56.2 - labels nor more than 56 mm wide (Ø18 mm) two pressure rollers Ø19 mm are included

- 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

\*Included in scope of delivery

24 VDC digital I/O interface

SUB-D socket connector, 25 pins

2.5



## Options provided for the AXON 2 tube applicator













TRV 18 transport roller (Ø 18 mm) for labels as wide as 56 mm

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 beside. A type 56.2 peel-off plate is required for operation.

#### **Transport rollers**

I

If tubes with diameters 10 mm to 22 mm are in use Type maximum label width peel-off plate

| .,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, |         | P P    |
|---|---------|--------|
| 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, WLAN, Ethernet, USB slave, Time
- **9 Printer status:** Ready, pause, number of labels printed on a print job, label in peel-off position, awaiting external start signal
- 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



A
 Beak level
 o
 Print speed
 100 mm/s

Printing
 Print position X
 0.0 mm
 ↓
 Print position Y
 0.0 mm
 ↓
 Backfeed

Setup options



**Print positions Y** 



**Print parameters** 

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

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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 USB hosts** to plug a service key, a USB stick, a keyboard, a barcode scanner, 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

#### **o** 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 Reprint Delete print job Label removed Label feed Pause Reset

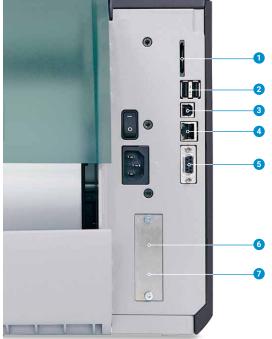
Print data available Initial position / upper end limit Paper feed ON Label in peel-off position Stop printing / applying a label Labeling position / lower end limit Warning on a ribbon ending Ribbon / Label roll ending Collective error



#### 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  | <b>USB WLAN stick</b><br>2.4 GHz 802.11b/g/n<br>Hotspot or infrastructure mode  |
| 2.10 | USB WLAN stick with a rod antenna<br>2.4 GHz 802.11b/g/n + 5 GHz 802.11a/n/ac<br>Hotspot or infrastructure mode<br>Extended range of operation          |
| 2.12 | <ul> <li>I/O interface plug</li> <li>SUB-D, 25 pins</li> <li>All control signals can be attached to the I/O interface using clamping screws.</li> </ul> |



## Technical data

| Tube labe  | ling system                | Туре  | AXO                        | N 1.1        | AXO             | N 1.2        | -                                 | rinters providin                 | •           |
|--|----------------------------|---|----------------------------|--------------|-----------------|--------------|-----------------------------------|----------------------------------|-------------|
| Print head   | 4                          |   |                            |              |                 |              | SQUIX 4.3MI                       | P SQUIX 4MP                      | SQUIX 4MP   |
|  | The                        | rmal transfer   |                            | •            |                 |              |                                   |                                  | •           |
| Print meth   | Dire                       | ect thermal   | •                          | -            | •               | -            |                                   | 0                                | _           |
| 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       |
| Print lengt  | :h                         | mm max.   | 12,000                     | 3,000        | 12,000          | 3,000        | 6                                 | ,000                             | 1,500       |
| Material   |                            |   |                            |              |                 |              |                                   |                                  |             |
| lubes / Via  | als Orientation a          | at the time of a label be applied   |                            |              | tical<br>26,    |              |                                   | horizontal<br>10 - 22,           |             |
|  | Diameter                   | mm  | 16                         |              | ns are provic   | led          | 7 - 12                            | 2 if options are pro             | ovided      |
|  | Length, closi              | ure cap included mm   |                            |              | - 130           |              |                                   | 25 - 120                         |             |
|  |                            | ange in diameter) % max.  |                            | C            | ).8             |              |                                   | 0.8                              |             |
| Labels <sup>1)</sup>   | Material                   |   | Рар                        | er, plastics | such as PET     | , PP         | Paper                             | , plastics such as               | PET, PP     |
|  | Width                      | mm  | 5 - 2                      | 25.4         | 5 -             | 56           |                                   | 5 - 56,                          |             |
|  |                            |   | 5 1                        |              |                 | 50           | 5 - 11                            | 0 if options are pr              | ovided      |
|  | Height                     | mm at least   |                            |              | 12              |              |                                   | 12                               |             |
|  | Thickness                  | mm at least   |                            |              | .05             |              |                                   | 0.05                             |             |
|  | Roll diamete               |   |                            |              | 05              |              |                                   | 205                              |             |
| Core diameter  |                            | er mm   |                            |              | 76              |              |                                   | 38 - 76                          |             |
|  | Winding                    |   |                            | out          | side            |              |                                   | outside<br>9 - 60.               |             |
| Liner  | Width                      | mm  | 16 - 30                    |              | 24 -            | - 60         | 9 - 11                            | 9 - 60,<br>4 if options are pr   | ovided      |
|  | Thickness <sup>2)</sup> mm |   |                            | 0.045        | 5 - 0.05        |              | 5 11                              | 0.045 - 0.05                     | ovided      |
| Ribbon   | Coating                    |   |                            |              | or inside       |              | outside or inside                 |                                  | 2           |
|  |                            | r mm max.   |                            |              | 30              |              | 80                                |                                  |             |
|  | Core diamet                |   | 25                         |              |                 |              |                                   | 25                               |             |
|  | Length                     | m max.  | 600                        |              |                 | 600          |                                   |                                  |             |
|  | Width                      | mm  | 25 - 38.1 25 - 60 25 - 114 |              |                 |              |                                   |                                  |             |
| Printer di   | mensions and v             | weights   |                            |              |                 |              |                                   |                                  |             |
|  | ight x Depth               | mm  |                            | 270 x 1      | 95 x 560        |              |                                   | 252 x 288 x 520                  |             |
| Weight   |                            | kg approx.  | 12                         |              |                 |              | 12                                |                                  |             |
| -  | sors / Position            | indicators  |                            |              |                 |              |                                   |                                  |             |
| Transmiss  | ive sensor                 | to detect   | labe                       | ls or punch  | marks and n     | naterials en | ding, print mar                   | ks on transparen                 | t materials |
| Reflective   | sensor bot                 | ttom or top reflex to detect  | labe                       | ls and mate  | erials ending   | , print mark | s on non-trans                    | parent materials                 |             |
| Sensor   | to the contac              | ct edge left-aligned mm   | 8                          | }            | 5 -             | 12           |                                   | -                                |             |
| distance   | center to the              | contact edge centered mm  | -                          |              |                 | -            |                                   | 0 - 55                           |             |
| Interfaces   | 5                          |   |                            |              |                 |              |                                   |                                  |             |
| RS232-C 1  | ,200 to 230,400            | Baud / 8 Bit  |                            |              |                 |              |                                   |                                  |             |
| USB 2.0 Hi   | -speed to plug a           | a PC  |                            |              |                 |              |                                   |                                  |             |
| Ethernet 1<br>IPv4 and IF  | 0/100 Mbit/s<br>Pv6        |   | C                          |              |                 |              | /eb service, OP<br>ME, NTP, Zeroc | C UA, WebDAV<br>onf, SNMP, SMTP, | VNC         |
| 2 USB hosts on the control panel,<br>2 USB hosts on the back of a unit |                            | Service key, USB stick, USB WLAN stick, USB WLAN stick with a rod antenna,<br>keyboard, barcode scanner, external control panel |                            |              |                 |              | tenna,                            |                                  |             |
| Digital 24 \   | /DC I/O interfac           | e   |                            |              |                 | [            |                                   |                                  |             |
| Operation  | nal data                   |   |                            |              |                 |              |                                   |                                  |             |
| Voltage  |                            | 100 - 240 VAC, 50 / 60 Hz, PFC  |                            |              |                 |              |                                   |                                  |             |
|  |                            | 36 - 60 VDC   |                            |              |                 |              |                                   | -                                |             |
| Power inp  | ut                         |   |                            |              | <10 W in sta    | ndby / 80 W  | are typical / m                   | ax. 200 W                        |             |
| Temperatu  | ure / Humidity             | In operation  |                            |              |                 | ,            | 5 %, not conde                    | 0                                |             |
|  |                            | On stock  |                            |              |                 |              | 5 %, not conde                    | 0                                |             |
|  |                            | In transport  |                            |              |                 | '            | 5 %, not conde                    | 0                                |             |
| Approvals  |                            |   | CE (in-vitro)              | UKCA, FCC    | Class A, ICES-3 | 3, cULus, CB |                                   | KCA, FCC Class A, IG             |             |
|  |                            |   | furt                       | her approv   | als upon requ   | iest         | CCC, BIS,                         | BSMI, KC-Mark, M                 | 1exiko Reg. |
| Control pa   | anel                       |   |                            |              |                 |              |                                   |                                  |             |
| LCD color t  | ouchscreen                 | Screen diagonal "   |                            |              |                 | 4            | .3                                |                                  |             |
|  |                            | Resolution - Width x Height px  |                            |              |                 | 272          | x 480                             |                                  |             |

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

## Technical data

 $\blacksquare$  standard  $\Box$  option

| Setup options        |  |   |
|----------------------|--|---|
| secup options        | Drint  | Pogion  |
|                      | Print<br>Labels<br>Ribbon<br>Label peel-off<br>Apply labels<br>Interfaces<br>Error   | Region:<br>- Language<br>- Country<br>- Keyboard<br>- Time zone<br>Time<br>Display:<br>- Brightness<br>- Low-power mode<br>- Orientation<br>Interpreter |
| Status bar           |  | interpreter   |
|                      | Receive data<br>Record datastream<br>Warning on a ribbon ending<br>SD memory card plugged<br>USB stick plugged   | WLAN<br>Ethernet<br>USB slave<br>Time   |
| Technical control    |  |   |
|                      | Ribbon winding<br>Warning on a ribbon ending<br>Ribbon ending<br>Label roll ending<br>Tube / Vial diameter   | Print head voltage<br>Print head temperature<br>Print head open<br>Pinch roller open<br>Peripheral error  |
|                      | Tube / Vial available<br>Warning on a label roll ending  |   |
|                      | Cover closed*  |   |
| Test routines        |  | *AXON 1 only  |
| System check         | when turning on the device   |   |
| Info display,        | print heads are also detecte<br>Status printout  | ed<br>Test grid   |
| test printout,       | Fonts list   | Label profile   |
| analysis             | List of devices<br>WLAN status   | List of events<br>Monitor mode  |
| Status notifications | <ul> <li>Printout of device figures,<br/>print durations or hours o</li> <li>Device status request by s</li> <li>Indication of errors related<br/>barcode or periphery, mis</li> </ul> | f operation<br>oftware command<br>d to a network,   |
| Fonts                | bureoue or peripriery, mis   |   |
| Internal             | 12 x 12 dotsAR16 x 16 dotsCG16 x 32 dotsGarOCR-AHarOCR-BMorSwi   | ector fonts:<br>Heiti Medium GB-Mono<br>Triumvirate Condensed Bold<br>uda<br>WangHeiLight<br>Iospace 821<br>ss 721<br>ss 721 Bold                       |
| To store             | TrueType fonts   |   |
| Character sets       | Windows-1250 to -1257<br>DOS 437, 737, 775, 850, 852<br>EBCDIC 500<br>ISO 8859-1 to -10 and -13 to<br>WinOEM 720<br>UTF-8<br>MacRoman<br>DEC MCS<br>KOI8-R                             |   |
|                      | Western European<br>Eastern European<br>Chinese, traditional<br>Chinese, simplified<br>Thai  | Cyrillic<br>Greek<br>Latin<br>Hebrew<br>Arabian   |
| Bitmap               | Widths and heights 1 - 3 mr<br>Zoom factors 2 - 10<br>0°, 90°, 180°, 270° orientatio   |   |
| Vector / TrueType    | Widths and heights 0.9 - 12<br>Continuous zoom<br>360° orientation in steps of   | 8 mm  |
| Font styles          | Bold, italic, underlined, out<br>- depending on the font typ   | line, inverse   |
| Character pitch      | Variable or monospace  |   |

| Graphics   |   |  |  |  |  |
|--|---|--|--|--|--|
| Elements   | Lines, arrows, rectangles, circles, ellipses<br>- filled and gradient   |  |  |  |  |
| Formats  | PCX, IMG, BMP, TIF, MAC, GIF, PNG   |  |  |  |  |
| Codes  |   |  |  |  |  |
| 1D barcodes<br>(linear)                          | Code 39, Code 93<br>Code 39 Full ASCII<br>Code 128 A, B, C<br>EAN 8, 13<br>Interleaved 2/5  |  |  |  |  |
| 2D and<br>stacked codes                          | DataMatrix<br>DataMatrix Rectangle Extension<br>QR code<br>Micro QR code<br>rMQR code<br>UPS MaxiCode<br>Codablock F<br>Request for further codes.<br>Codes be verified by a CC200 verifier requires a<br>depending on code types, sizes and contents.<br>Check digits, plain text printout and start/stop e<br>are options depending on the code type. |  |  |  |  |
| Software   | are options depending on the code type.   |  |  |  |  |
| Label software                                   | cablabel S3 Lite<br>cablabel S3 Viewer<br>cablabel S3 Pro<br>cablabel S3 Print  |  |  |  |  |
| Running also with                                | CODESOFT<br>Loftware Spectrum<br>NiceLabel<br>BarTender   |  |  |  |  |
| Stand-alone operation                            |   |  |  |  |  |
| Windows<br>printer drivers<br>certified WHQL for | Windows 10Server 2016Windows 11Server 2019Server 2022   |  |  |  |  |
| Apple<br>printer drivers                         | Mac OS 10.6 or any later release  |  |  |  |  |
| Linux<br>printer drivers                         | CUPS 1.2 or any later release   |  |  |  |  |
| Programming                                      | JScript printer language■abc Basic Compiler■ZPL II (Datastream be tested in advance)□   |  |  |  |  |
| Integration                                      | SAP<br>Database Connector   |  |  |  |  |
| Administration                                   | Printer control<br>Configuration on the Intranet / Internet   |  |  |  |  |

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

### cablabel S3 software

#### Design, print, administrate

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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.



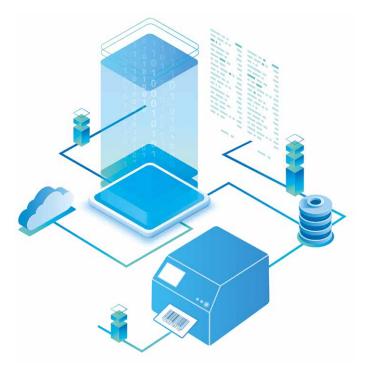
## OPC UA

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 drivers to control a printer with software other than cablabel S3.

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

### Programming

### JScript

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

#### abc Basic Compiler ABC

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.

### Connecting to SAP®

Labels can be printed from SAP<sup>1</sup> on cab devices and systems. There are various methods:

- Printing with SAPscript .
- Printing with SmartForms .
- Printing with Adobe Interactive Forms

See instructions in detail on www.cab.de/en/sap

<sup>1)</sup> SAP and associated logos are trademarks or registered trademarks of SAP SE

## Printer administration



### Configuration on the Intranet / 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 datagrams. Time and date are synchronized by a time server.

| Internet and                       | Later       | -        | 1.000                | 11.100   | and the second second  | - Internet - I |                    | · BETTERSTONE     |
|------------------------------------|-------------|----------|----------------------|----------|--|----------------|--------------------|-------------------|
| L VALUE                            | Encieturger | Schernet | Eenachuchtspooge     | Gen      | te 🔛 Scretum   | Mile +         |                    | [1] Drunker Druph |
|                                    |             |          | -12                  |          | XON 1.2/300<br>5.38 (Jun 20, 2021)<br>beta-05a763e<br>shttpp://doi.org/10.2021 |                | Aucualationung (s) | 1. Vex.           |
|                                    |             |          | <b>Betriebsdauer</b> |          | Etikettensszahl  |                |                    |                   |
|                                    |             |          | Komplett 268         | 48/10/01 | Konglett   | 382            |                    |                   |
|                                    |             |          | Service ·            |          | Service  |                |                    |                   |
|                                    |             |          | Transferdruck        |          | Thermodruck  |                |                    |                   |
|                                    |             |          | Komplett 13.         | 10.00    | Kompilett  | 2.995 m        |                    |                   |
|                                    |             |          | Service -            |          | Service  |                |                    |                   |
| Datum - Uhrzeit<br>2021-06-20 14-2 |             |          |                      |          | grubi  |                |                    |                   |
| 1021-06-30 24:2                    | 12.97       |          |                      | 8        | a.   |                |                    | A 142             |
|                                    |             |          |                      |          |  |                |                    |                   |



### Database Connector

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



### Delivery program

### AXON 1 tube labeling systems

| Pos. |    | ltem no.    | Designation   |
|------|----|-------------|---|
| 1.1  |    | 5984920.xxx | AXON 1.1/300 tube labeling system                   |
| 1.2  |    | 5984930.xxx | AXON 1.1/600 tube labeling system                   |
| 1.3  | 山市 | 5979600.xxx | AXON 1.2/300 tube labeling system                   |
| 1.4  |    | 5979740.xxx | AXON 1.2/600 tube labeling system                   |
| 1.5  |    | 5984970.xxx | AXON 1.1/300 tube labeling system 36-60 VDC         |
| 1.6  |    | 5984975.xxx | AXON 1.1/600 tube labeling system 36-60 VDC         |
| 1.7  |    | 5984980.xxx | AXON 1.2/300 tube labeling system 36-60 VDC         |
| 1.8  |    | 5984985.xxx | AXON 1.2/600 tube labeling system 36-60 VDC         |
|      |    | 5561500     | System aligned and checked using customer materials |

xxxxxxx.250 system providing options

### Options provided for AXON 1 tube labeling systems

| Pos. |    | ltem no.    | Designation                  |
|------|----|-------------|------------------------------|
| 3.1  |    | 5988215.xxx | Cover                        |
| 3.2  | J. | 5988255.250 | CC200-AXON code verifier     |
| 3.4  |    | 59xxxxx.250 | K Type peel-off plate        |
| 3.6  |    | 5977767.xxx | Digital 24 VDC I/O interface |

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

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

#### **Provided** online



Instructions Configuration manuals DE/EN/FR Service manuals DE/EN Spare parts lists DE/EN Programming manual EN Windows printer drivers certified WHQL for Windows 10 Server 2016 Windows 11 Server 2019 Server 2022

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 |        | Item no.                                  | Designation  |
|-----|--------|---|--|
| 1.1 |        | 5977023.xxx<br>5977007.xxx<br>5977008.xxx | SQUIX 4.3/300MP label printer<br>SQUIX 4/300MP label printer<br>SQUIX 4/600MP label printer                    |
| 6.1 | Axon 2 | 5987150.xxx                               | AXON 2 tube applicator providing<br>a Type 56.1 peel-off plate (Ø14 mm)<br>a TRV 14 transport roller<br>a tray |
|     |        | 5561500                                   | System aligned and checked using customer materials  |

xxxxxxx.250 system providing options

### **Options provided for SQUIX label printers**

| Pos | • | ltem no.    | Designation  |
|-----|---|-------------|--|
|     |   | 5953700.xxx | DR4-M30 print roller   |
| 2.1 |   | 5953701.xxx | DR4-M60 print roller   |
|     |   | 5953702.xxx | DR4-M80 print roller   |
| 2.2 |   | 5987212.xxx | Type 56.2 peel-off plate (Ø18 mm)<br>including two pressure rollers Ø19 mm |
| 2.3 |   | 5979925.xxx | Type 110 peel-off plate  |
| 2.4 |   | 59xxxx.250  | K Type peel-off plate  |
| 2.6 |   | 5977767.xxx | Digital 24 VDC I/O interface   |

#### Options provided for the AXON 2 tube applicator

| Pos. | Item no.    | Designation             |
|------|-------------|-------------------------|
| 5.1  | 5987151.xxx | TRV 18 transport roller |
| -    | 5953700.xxx | DR4-M30 print roller    |
| E 0  | 5953701.xxx | DR4-M60 print roller    |
| 5.2  | 5953702.xxx | DR4-M80 print roller    |
| 6    | 5954180.xxx | DR4 print roller        |
| 5.3  | 59xxxx.250  | TRK transport roller    |
| 5.5  | 5535960     | TRK one-off costs       |

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

<u>Options</u> 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. |   | Item no.  | Designation   |
|------|---|---|---|
| 2.7  |   | 5977370   | SD memory card  |
| 2.8  | 4 | 5977730   | USB memory stick  |
| 2.9  |   | 5978912   | USB WLAN stick<br>2.4 GHz 802.11b/g/n   |
| 2.10 |   | 5977731   | USB WLAN stick with a rod antenna<br>2.4 GHz 802.11b/g/n + 5 GHz a/n/ac   |
| 2.12 |   | 5917651   | I/O interface plug<br>SUB-D, 25 pins  |
|      |   | 6010186   | External control panel  |
| 2.13 |   | 5907718.850<br>5907730.850<br>5907750.850<br>5907760.850<br>5907765.850 | Connecting USB cable, 1.8 m<br>Connecting USB cable, 3 m<br>Connecting USB cable, 5 m<br>Connecting USB cable, 11 m<br>Connecting USB cable, 16 m |
| 2.14 |   | 5955710   | TR2 hand switch   |
| 4.1  |   | 5550818   | Connecting RS232-C cable<br>9/9 pins, 3 m   |

### **AXON 1** wear parts

| Pos. |               | Item no.                   | Designation                            | dpi        |
|------|---------------|----------------------------|--|------------|
|      | And the state | 5977384.001<br>5977385.001 | Type 2 print head<br>Type 2 print head | 300<br>600 |
|      |               | 5954102.001                | DR2 print roller                       |            |
|      |               | 5954104.001                | RR2 pulley                             |            |

#### SQUIX label printer wear parts

| Pos. |                  | ltem no.                                  | Designation dpi   |  |  |  |
|------|------------------|---|---|--|--|--|
|      | All and a second | 5977383.001<br>5977444.001<br>5977380.001 | 1         Type 4.3 print head         300           1         Type 4 print head         300           1         Type 4 print head         300           1         Type 4 print head         600 |  |  |  |
|      |                  | 5954180.001                               | DR4 print roller  |  |  |  |
|      |                  | 5954183.001                               | RR4 pulley  |  |  |  |

#### AXON checklist for download

Configure your AXON labeling system using our interactive checklist.



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

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

### AXON 1 / AXON 2 / SQUIX user languages

|                          | Instructions /<br>assembly instructions |           | Control Windows |   | Service | cablabel<br>S3 |       |
|--------------------------|---|-----------|-----------------|---|---------|----------------|-------|
| Language                 | AXON<br>1                               | AXON<br>2 |                 |   | driver  | manual         | squix |
| European Un              | ion                                     |           |                 |   |         |                |       |
| Bulgarian                |   |           | Х               | Х | Х       |                | Х     |
| Danish                   |   |           | Х               | Х | Х       |                |       |
| German                   | Х                                       | Х         | Х               | Х | Х       | Х              | Х     |
| Estonian                 |   |           | Х               | Х | Х       |                |       |
| Finnish                  |   |           | Х               | Х | Х       |                |       |
| French                   | Х                                       | Х         | Х               | Х | Х       |                | Х     |
| Greek                    |   |           | Х               | Х | Х       |                |       |
| English                  | Х                                       | Х         | Х               | Х | Х       | Х              | Х     |
| Italian                  |   |           | Х               | Х | Х       |                | х     |
| Croatian                 |   |           | Х               | Х | Х       |                |       |
| Latvian                  |   |           | Х               | Х | Х       |                |       |
| Lithuanian               |   |           | Х               | 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 | Х       |                |       |
| Slowenian                |   |           | Х               | Х | Х       |                |       |
| Spanish                  |   |           | Х               | Х | Х       |                | Х     |
| Czech                    |   |           | Х               | Х | Х       |                | Х     |
| Hungarian                |   |           | Х               | Х | Х       |                |       |
| Europe (Non-             | -EU)                                    |           | 1               | 1 | 1       |                | 1     |
| Macedonian               |   |           |                 | Х | Х       |                |       |
| Norwegian                |   |           | Х               | Х | Х       |                |       |
| Russian                  |   |           | Х               | Х | Х       |                | Х     |
| Serbian                  |   |           |                 | Х | Х       |                |       |
| Turkish                  |   |           | Х               | Х | Х       |                |       |
| Asia                     | 1                                       | 1         | 1               | 1 | 1       |                | 1     |
| Chinese<br>(simplified)  |   |           | Х               | х | х       |                | х     |
| Chinese<br>(traditional) |   |           | Х               | х | х       |                | х     |
| Japanese                 |   | <u> </u>  | Х               | Х | Х       |                |       |
| Korean                   |   |           | X               | X | X       |                | Х     |
| Thai                     |   |           | X               | X | X       |                |       |
| Middle East              |   |           |                 |   |         |                |       |
| Persian                  |   |           |                 | Х |         |                |       |
| Arabian                  |   |           |                 | X |         |                |       |
|                          |   |           |                 | Λ |         |                |       |

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