

REINER

Sensor 1D/2D Code Reader



Quick guide

EN

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1 Foreword

In the following three chapters REINER provides the necessary information:

- ▶ Presettings on the *jetStamp* 1025 sense
- ▶ New functions of the PCset graphic 6.50 S001
- ▶ Create print images with sense integration

For extended setting requirements, REINER customer service will be happy to help:

Email: service@reiner.de

Phone: +49 7723 657 388

2 Presettings

The *jetStamp* 1025 sense devices can be connected and used with various sensors:

- ▶ Sensor TEMP
- ▶ Sensor ROOM CLIMATE
- ▶ Sensor 1D/2D Code Reader (BarCodeReader)
- ▶ Sensor V24/RS232



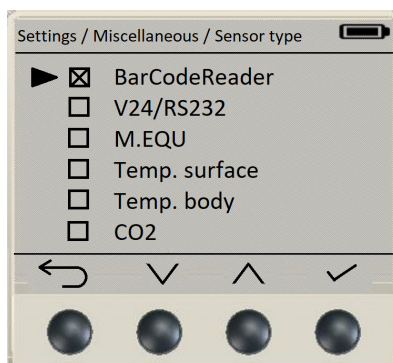
The different sensors cannot be operated simultaneously on the device. Different print images can be preset for different sensors in the device, but different sense objects cannot be mixed in one print image.

Before you start working or have previously changed the sensor, make sure that the correct sensor is selected in the settings on the device. This is done at:

Menu item Settings -> Miscellaneous -> Sensor Type

You can select between the following sensors:

- ▶ BarCodeReader
- ▶ V24/RS232 (interface)
- ▶ Temp. surface
- ▶ Temp. body
- ▶ Co2 (room climate)
- ▶ No sense



Depending on the selection of the sensor type, a pT symbol or an M symbol appears in the display of function button 1. This function button can also be used as an action/measurement trigger in addition to the red trigger buttons.

The display of the *jetStamp* 1025 sense shows the stored print images in the display. If no value has been entered yet, placeholder fields sometimes appear.

The final print is triggered by briefly pressing the centre red trigger button on the device.

3 New functions of the PCset graphic 6.50 S001

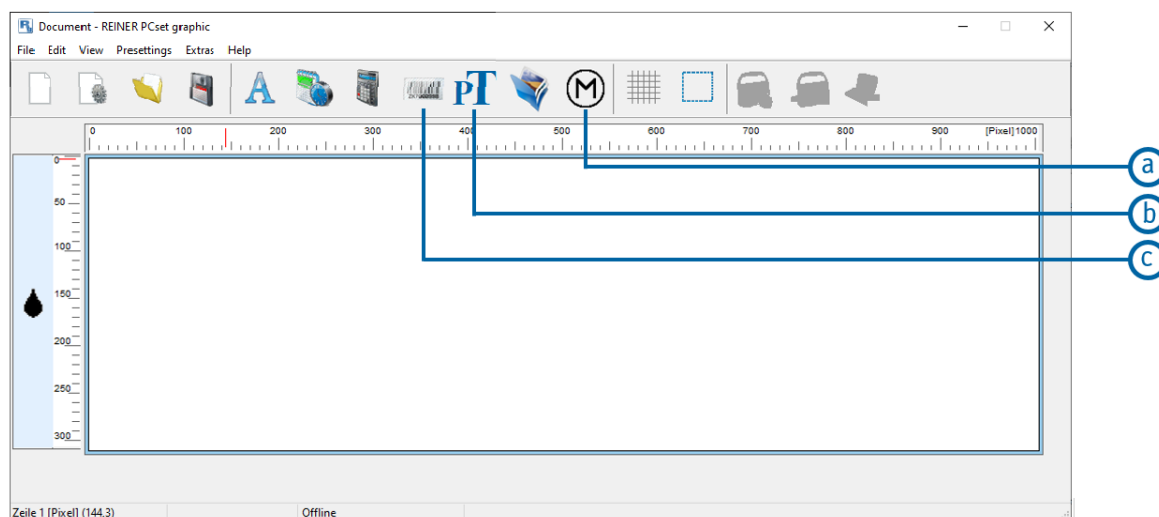
For *jetStamp* 1025 sense devices, standard print images and sense objects are prepared via the PCset graphic sense and can be made to individual requirements.

Suitable variable objects with different units of measurement can be prepared for the different sensors.

- ▶ Sensor TEMP
- ▶ Sensor ROOM CLIMATE
- ▶ Sensor 1D/2D Code Reader (BarCodeReader)
- ▶ Sensor V24/RS232



The different sensors cannot be operated simultaneously on the device. Different print images can be stored in the device for different sensors. However, different sense objects cannot be mixed in one print image.



Different sensor functions (objects) are available in the PCset graphic software:

- a** **Object M** for measuring sensor technology, e.g. sensor for temperature or room climate.
- b** **Object pT** for the transfer of external values/contents for use in the text placeholder, e.g. for the barcode content (plain text only) or the V24/RS232 interface.
- c** **Object barcode** for the transfer of external content for use in an optical placeholder as a barcode or data matrix code.

All other objects and options for print image design are the same as the usual PCset graphic structure: **Text fields, date/time, numbering machine, barcode (preset) and graphics.**




After the completion of the new print image or the revision of an existing print image, the changes must be saved and transferred to the *jetStamp* 1025 sense.

4 Create print image with sense integration

According to the different sensor print image options, various properties can be preset or changed on the respective sensor objects.

These different possibilities are shown in the following application scenarios.

 For the design or adaptation of variable sense objects you need the software PCset graphic 6.50 S001. Various print images are already pre-installed on the *jetStamp* 1025 sense when the device is delivered. These are expandable or customisable via the object setting.

The print images for the sensors TEMP and ROOM CLIMATE are described in detail in the operating instructions *jetStamp* 1025 sense.

The creation or editing of **print images for pT placeholder texts and barcode printing** in connection with the **sensor 1D/2D Code Reader** are described in more detail in the following application cases.

Print image options sensor 1D/2D Code Reader:

- ▶ Application SCAN-copy-PRINT
- ▶ Application SCAN-convert type-PRINT
- ▶ Application SCAN-command-PRINT

4.1 SCAN-Copy-PRINT und SCAN-convert type-PRINT

In the delivery state of the *jetStamp* 1025 sense the print image 3 is stored as an example for a SCAN-copy-Print / SCAN-convert type-PRINT. This is already set so that in the application the content of the source bar data matrix code is assigned to the target bar data matrix and plain text display. The print image 3 is also visually supplemented with text fields and a graphic. The two sense objects can be configured independently of each other. By clicking the mouse button on the right, the properties of the respective object field can be configured:

► Object barcode

► Barcode format:

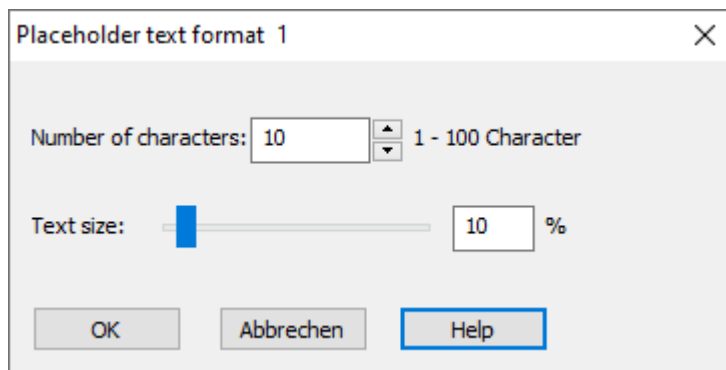
- "QR Code (pT)" is selected in the type selection field. All barcode types with (pT) are suitable for use as variables in connection with the BARCODE sensor.
- The properties of the target bar data matrix code are displayed in the character sequence field. In the example, a test with a variable placeholder (%025T) is visible.
- This placeholder takes over the content with max. digits of the source bar data matrix codes.
- The other barcode properties can be set as usual.

- ▶ Object placeholder text
 - ▶ Placeholder text format
 - ▶ Max. number of characters taken over from the source bar data matrix code content.
 - ▶ Text size of the text field enlarges and reduces. The text size correlates with the "Number of characters" field.

If a new print image is created, both objects shown can also be created directly as barcode or pT fields by drag and drop.

After transferring the print image to the *jetStamp* 1025 sense, the SCAN-copy-PRINT SCAN-convert type-PRINT process can start.

Each selected and scanned source bar data matrix code is processed and immediately available as a print image. The print will be generated by the centre print trigger button.



Typical applications

Repackaging of cardboard or sales packaging:

Scan a bar data matrix code and print the copy 1:1 on the same cardboard packaging or on a packaging unit. There is no confusion and no need for additional labels.


Bar data matrix code as "human readable" print on semi-finished products / components:

In intralogistics, often only the entire container is marked with barcode or readable information, not the parts themselves. For processing, the code content is printed directly as readable plain text. This leads to error prevention in the processes.

4.2 SCAN-command-PRINT

The SCAN-command-PRINT application offers the possibility to convert the content of the read bar data matrix code into a device command, e.g. print image selection from all print images stored on the device.

Via a preset command print image, it is possible to automatically provide the users of the *jetStamp* 1025 sense with multiple print options for the required print during different scan operations.

 Any existing bar data matrix code whose content is known can be used for this functionality. The user specifies once via a command print screen at which content which command is executed.


In the delivery state of the *jetStamp* 1025 sense, there is no sample print image for the SCAN-command-Print application because the command is dependent on the content of a corresponding source bar data matrix code.

Unlike other variable objects of the REINER marking devices, presettings must be made in a separate file for the SCAN-command-PRINT command to run properly. A command file (interpf y.x .cmd) is stored on the SD card in which the desired commands can be stored by the user.

The following illustration shows the first command line of the command file in the delivery state. The user can expand this file line by line as required.

```
Badner s-no:1 // The Barcode `Badner` plays song no. 1 = Badner
```

Figure: Delivery status command file (view in text editor)

 SCAN-command-PRINT is only possible in combination of a command print image with a corresponding entry in the command file on the SD card of the *jetStamp* 1025 sense.

For the SCAN-command-PRINT application, a print image with a barcode must be designed first. Via the entries in the command file, various (commands) print images can be created via this print image.

- ▶ Object barcode
 - ▶ Barcode format:
 - ▶ Any available bar data matrix code could be selected in the "Type" selection field.
 - ▶ Enter the name of the desired command in the "Character sequence" field. The test is freely selectable and also entered in the subsequent step in the command file.
 - ▶ Other properties of this barcode are not relevant for the application.
- ▶ Command file
 - ▶ Add new command
 - ▶ Remove the SD card from the *jetStamp* 1025 sense and open the command file (interpf y.x .cmd) with a text editor on a suitable PC. Enter the desired commands for the command:
 - ▶ A. Designation command (cf. entry barcode string)
 - ▶ B. Space (one or more) as a separator
 - ▶ C. The following commands are possible:
 - s-no: 1 → activate sound effect 1
 - i-no: 1 → select print image 1

Important: The entries are case sensitive!


 - ▶ D. Space (one or more) as a separator
 - ▶ E. Start comment entry with //
 - ▶ Finally, save the file and insert the SD card back into the slot of the *jetStamp* 1025 sense.

The following figure shows the two command lines of the command file. The second line was added and saved according to the requirements by the user as described above.

```
Badner s-no:1 // The Barcode `Badner` plays song no. 1 = Badner  
example i-no:1 // The barcode `example` selects print image 1 (this command is not preset)
```

View after editing the command file (view in the text editor).

After transferring the print image to the *jetStamp* 1025 sense and adapting the command file, the SCAN-command-PRINT process can begin.

 Each selected and scanned source bar data matrix code, whose content is stored in the command file, leads directly to processing. For example, the assigned print image is available.

 The number of possible command structures is only limited by the number of print images that can be stored on the SD card.



Print image 5 is selected

Barcode "example" is scanned The *jetStamp* 1025 sense jumps to print image 1

Typical applications

Process-safe print image selection at workstations without a network connection:

The content of the source code immediately provides the user with the appropriate print image installed on the device. This means that the right print, the right print images (labels) are always available, even at locations without a network connection or at workstations without a PC/laptop for employees!

Error prevention when the "human factor" comes into play:

The right print image or a special additional print, even with changing personnel or less qualified employees, is thus always ensured. The source code provides the appropriate print image on the *jetStamp* 1025 sense. There is no confusion or "room for interpretation"!

5 Contact

Ernst Reiner GmbH & Co. KG

Baumannstr. 16

78120 Furtwangen/Germany

www.reiner.de

Repair service

Phone: +49 7723 657-385

E-mail: repair@reiner.de

More details can be found on our homepage:

www.reiner.de/reparatur

Technical service & support

Phone: +49 7723 657-388

E-mail: service@reiner.de

Sales

Phone: +49 7723 657-0

E-mail: customerservice@reiner.de

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