## - ChronoDater 920/922/925 \_\_\_\_\_ REINER









### **Operating elements**

- 1 Display
- 2 Housing flap
- 3 Paper stop
- 4 Trigger table
- **5** Position marks
- 6 Trip switch

- Chipcard reader
- 8 Ribbon cassette
- (9) Connection socket for mains adapter
- 10 RS-232 interface
- ChipCard

### - ChronoDater 920/922/925 \_\_\_\_\_



### **Display and Button functions**

Depending on model, your ChronoDater will have different setting options. The display is structured according to the following zones.

- A Model indication.
- **B** Texts, date, time and/or numbering set.
- C Menu bar with menu items and commands. The buttons [◀] or [▶] navigate in the menus or select parameters.



 Four push-buttons
 Each button is assigned to the menu item or command that is indicated in the menu bar above it.

GB



### Contents

Di	Display and Button functions27			
Im	Important Notes			
Мо	odel Ve	ersions.		
Yo	ur Saf	ety		
	Safety	y, Descri	ption	
	Safety	y Notes f	or the ChronoDater 920/922/92532	
1.	1. Prepare and Commission			
	1.1.	Commis	sioning, Ribbon Cassette	
	1.2.	Attachi	ng the Paper Stop33	
	1.3.	Adjusti	ng Trip Switch	
	1.4.	Connec	ting Power Supply34	
	1.5.	Insertir	ng Chipcard34	
	1.6.	Selectir	ng Language	
	1.7.	Display	Contrast	
	1.8.	Print		
	1.9.	Switchi	ng the Device to Standby Mode35	
	1.10.	Clean D	evice	
2.	Menu			
	2.1.	Selectir	ng Language	
	2.2.	Setting	Date/Clock Time	
		2.2.1.	Setting Time	
		2.2.2.	Setting Date	
		2.2.3.	Setting Summer Time	
	2.3.	Setting	s	
		2.3.1.	Setting Chipcard Function	
		2.3.2.	Trigger	
		2.3.3.	Stand By Mode	
		2.3.4.	Password Menu	
		2.3.5.	Display Contrast41	
		2.3.6.	Counter41	
	2.4.	Model/	Version42	
	2.5.	SF Modu	ule42	

# - ChronoDater 920/922/925 \_\_\_\_\_ REINER

3.	Reco	gnising and Removing Interferences	.43
4.	Techr	ical Data and Accessories	
	4.1.	Type Plate	.44
	4.2.	Technical Data	.45
	4.3.	Accessories	.46
	4.4.	Transport and Disposal	.46
5.	Conta	act	.47
6.	Index	<	.48

GB

### **Important Notes**

Before commissioning of the ChronoDater, always read the operating instructions and in particular the safety notes with care. This prevents mistakes in handling of the electric stamps and connected safety risks to keep you safe and avoid damage to the device.

### **Model Versions**

#### Model 920 for date and text

STAHLWERKE BOCKUM

REINER

04.04.2019

Eingegangen

#### Model 922 with full text plate

Like model 920, but without date. For text, logos, signatures, etc.

#### Model 925 for date, time and text

Like model 920, but with additional time print.







### **Your Safety**

### Safety, Description

#### A DANGER

Warnings of dangers that lead to **death or severe injury directly** if not observed.

**WARNING** 

Warnings of dangers that may lead to death or severe injury if not observed.

Warnings of dangers that may lead to **injury** if not observed.

#### NOTICE

Warnings of dangers that may lead to **property damage** if not observed.

You are asked to perform actions here.

i.

Notes and advice to make handling your ChronoDater 920/922/925 even easier.



### Safety Notes for the ChronoDater 920/922/925

#### **WARNING**

Danger of fire from incorrect mains voltage.

Check that the local mains voltage matches the voltage indicated on the mains adapter.

#### 

Danger of electric shock when objects like paperclips or liquids fall into the device inside.

Pull the mains adapter from the socket and inform your specialist vendor or the REINER Service.

#### 

Danger of crushing your fingers.

Do not put your fingers between the printing plate and the trigger table.

#### 

Danger of tripping and damage to the device from device lines placed freely in the room.

Place the device lines so that they do not pose any danger source!

#### NOTICE

Damage to the device due to improper transport.

Only use packaging that provides protection from impact and shock to the device!

#### NOTICE

Damage to the device by moisture.

Before commissioning, wait until the device has reached room temperature and is completely dry!

#### NOTICE

Damage of the print plate or print wheels.

Do not print on staples, paperclips or similar hard objects.



Only have repairs performed by trained specialists.



### 1. Prepare and Commission

### 1.1. Commissioning, Ribbon Cassette

#### Inserting ribbon cassette ⇒ Fig. D

i

#### Avoid skin contact with ribbon.

- Swivel housing flap ② upwards and remove it.
- Remove ribbon cassette <sup>(8)</sup> from the packaging.
- Push ribbon cassette <sup>(8)</sup> over the metal cover until it is flush.
- Tension ribbon. For this, turn the red dial of the ribbon cassette in the direction of the arrow to the right.
- Re-attach the housing flap <sup>2</sup>.

### 1.2. Attaching the Paper Stop

#### Attaching the paper stop ⇒ Fig. A + B

The paper stop services as lateral indicator of print position for the vouchers to the printed.

 Apply paper stop 3 to the front edge of the trigger table from the left or right and put it in the desired position.

### 1.3. Adjusting Trip Switch

#### Adjusting <sup>6</sup> trip switch ⇒ Fig. A + D

- Release screw.
- Push trip switch to the desired position. A slight resistance and latching sound are normal.
- Tighten the screw until slight resistance is noticeable.

## 

### 1.4. Connecting Power Supply

#### Connecting power supply $\Rightarrow$ Fig. C



Use only genuine REINER accessories.

#### **MWARNING**

Danger of fire from incorrect mains voltage.

• Check that the local mains voltage matches the voltage indicated on the mains adapter.

#### NOTICE

Incorrect order when connection to the mains may cause damage. Observe the following order.

- Connect the mains adapter plug to the <sup>(9)</sup> ChronoDater connection socket.
- Plug the mains adapter into the socket.
   The device starts adjustment of the print wheels.

### 1.5. Inserting Chipcard

### Inserting Chipcard ⇒ Fig. 🗛 + 🗉

The Chipcard function can be activated in the menu.

- See "Setting Chipcard Function" page 37
- Insert Chipcard <sup>(1)</sup> into the Chipcard reader in the direction of the arrow printed on the card <sup>(7)</sup>.
   The ChronoDater is ready for work.

### 1.6. Selecting Language

See "Selecting Language" page 36

### 1.7. Display Contrast

See "Display Contrast" page 41

### - ChronoDater 920/922/925



### 1.8. Print



The trigger table (4) and the housing flap (2) have marks (5) attached that indicate correct positioning of the print media.



The print action is activated by tripping the trip switch 6 with the print medium or light pressure on the trigger table 4.

#### NOTICE

Damage of the print plate or print wheels.

> Do not print on staples, paperclips or similar hard objects.



The maximum batch size is **2 mm**. Depending on text plate used, up to 5 copies (NCR) are possible.

Insert paper to be printed on. ⇒ Fig. B
 Print is performed.

### 1.9. Switching the Device to Standby Mode

#### Standby mode

 Push [OFF] for 5 seconds. The ChronoDater is in Standby mode.

### 1.10. Clean Device

Clean the top cover of the device with a soft cloth if required.
 For stronger contamination, moisten the cloth with water and mild detergent.

#### **A**CAUTION

Danger of electric shock when liquids enter into the device inside.

 Pull the mains adapter from the socket and inform your specialist vendor or the REINER Service.

#### NOTICE

Cleaning agents that are too aggressive may damage the housing surface.

> Do not use any abrasives and plastic-dissolving cleaning agents for cleaning.

### 2. Menu

### 2.1. Selecting Language

Setting the language of the display.

- Push [MENU]. "Date / Clock time" appears.
- ▶ Push [▶]. "Language Menu" appears.
- Push [SELECT]. The language that is set flashes.
- ► Adjust the desired language via the buttons [◀] or [►] and confirm the input with [OK].
- ▶ To save the setting and return to the main menu, push [RETURN] once. The main menu appears.

### 2.2. Setting Date/Clock Time

Setting the time, date and automatic switching between summer and regular time.

#### 2.2.1. Setting Time

- Push [MENU]. "Date / Clock time" appears.
- Push [SELECT]. "Clock time" appears.
- Push [SELECT]. The hours display flashes.
- Adjust the correct hour via the buttons [◀] or [▶] and confirm the input with [OK].
- Continue by setting minutes and seconds.
- ▶ To save the setting and return to the main menu, push [RETURN] twice. The main menu appears.

#### 2.2.2. Setting Date

- Push [MENU]. "Date / Clock time" appears.
- Push [SELECT]. "Clock time" appears.

- Select the menu "Date" with the button [▶]. "Date" appears.
- Push [SELECT]. The day display flashes.
- ► Adjust the correct day via the buttons [◄] or [►] and confirm the input with [OK].

\_\_\_\_ REINER

- Continue setting the month and year.
- To save the setting and return to the main menu, push [RETURN] twice. The main menu appears.

#### 2.2.3. Setting Summer Time

- Push [MENU].
   "Date / Clock time" appears.
- Push [SELECT].
   "Clock time" appears.
- Push [▶] twice.
   "Summertime" appears.
- Push [SELECT]. The set Summertime appears.
- Adjust the desired Summertime [Europe], [America] or [None] via the buttons [◀] or [▶] and confirm the input with [OK].
- To save the setting and return to the main menu, push [RETURN] twice. The main menu appears.

### 2.3. Settings

#### 2.3.1. Setting Chipcard Function

The ChronoDater prints only with the Chipcard inserted when the Chipcard function is active.

- Push [MENU].
   "Date / Clock time" appears.
- Push [▶] twice.
   "Settings" appears.
- Push [SELECT].
   "Chipcard" appears.
- Push [SELECT].
   "ON" or "OFF" flashes.
- ▶ Push [▶] to switch between "ON" and "OFF".

37

### - ChronoDater 920/922/925





Setting "On" is only possible with the Chipcard inserted correctly.

- Confirm the desired setting with [OK].
- To save the setting and return to the main menu, push [RETURN] twice. The main menu appears.



When using the Chipcard function, we recommend activating the password function. See "Password Menu" page 39. This ensures that the Chipcard function cannot be deactivated by unauthorised persons.

#### 2.3.2. Trigger

The print action can be triggered in several ways.



In the delivery condition, all trigger types are switched on.

- Push [MENU].
   "Date / Clock time" appears.
- Push [▶] twice.
   "Settings" appears.
- Push [SELECT].
   "Chipcard" appears.
- Push [▶].
   "Trigger" appears.
- Push [SELECT].
   "Trigger table" appears.
- ▶ Use the buttons [◀] or [▶] to select the trigger type you want to switch on or off.
- "Trigger table" means that the print action is activated by pushing the trigger table ④.
- "Trigger switch" means that the print action is activated when you touch the trip switch with the paper to be printed on <sup>(6)</sup>.
- ("Trigger external" via the RS-232 interface 6 on request).
- Push [SELECT] at the desired trigger type.
   "ON" or "OFF" flashes.
- ▶ Push [▶] to switch between "ON" and "OFF".
- Confirm the desired setting with [OK].
- ▶ Use the buttons [◀] or [▶] to get to the settings for the other trigger types.
- To save the setting and return to the main menu, push [RETURN] three times. The main menu appears.



#### 2.3.3. Stand By Mode

Period after which the device is to switch to standby mode if no activity takes place.

- Push [MENU].
   "Date / Clock time" appears.
- Push [▶] twice.
   "Settings" appears.
- Push [SELECT].
   "Chipcard" appears.
- Push [▶] twice.
   "Stand by Mode" appears.
- Push [SELECT].
   Either "OFF" or a time is displayed (5 min to 3 h).
- Select the desired time or [OFF] via the buttons [◀] or [▶] and confirm the input with [OK].
- To save the setting and return to the main menu, push [RETURN] twice. The main menu appears.

#### 2.3.4. Password Menu

Locks printing with a password and protects from abuse.

#### 2.3.4.1. Activate password request:

- Push [MENU].
   "Date / Clock time" appears.
- Push [▶] twice.
   "Settings" appears.
- Push [SELECT].
   "Chipcard" appears.
- Push [▶] three times.
   "Password Menu" appears.
- Push [SELECT].
   "ON / OFF" appears.
- To activate or deactivate the password request, push [SELECT].
   "OFF" appears.
- Push [▶].
   "ON" appears.
- Push [OK].
   "Password" and four digits appear.
   The first digit flashes.

- Select the desired digit via the buttons [4] or [b] and confirm the input with [0K]. The second digit flashes.
- Set the second to fourth digit accordingly.
   After confirmation of the fourth digit, the password is displayed.
- ▶ To get to the password menu, push [OK].
- To save the setting and return to the main menu, push [RETURN] three times. The main menu appears.

#### 2.3.4.2. Changing password:

- Push [MENU].
   "Date / Clock time" appears.
- Push [▶] twice.
   "Settings" appears.
- Push [SELECT].
   "Chipcard" appears.
- Push [▶] three times.
   "Password Menu" appears.
- Push [SELECT].
   "ON / OFF" appears.
- Push [▶].
   "Change" appears.
- Push [SELECT].
   "Password" and four digits appear.
   The first digit flashes.
- Select the desired digit via the buttons [◀] or [▶] and confirm the input with [OK]. The second digit flashes.
- Set the second to fourth digit accordingly. After confirmation of the fourth digit, the password is displayed.
- ▶ To get to the password menu, push [OK].
- To save the setting and return to the main menu, push [RETURN] three times. The main menu appears.



If you have forgotten the password you set, contact the REINER Service.

## **—— REINER**

#### 2.3.5. Display Contrast

- Push [MENU].
   "Date / Clock time" appears.
- Push [▶] twice.
   "Settings" appears.
- Push [SELECT].
   "Chipcard" appears.
- ▶ Push [▶] four times. "Display contrast" appears.
- Push [SELECT].
- ► Use the buttons [◀] or [►] to adjust the contrast of the display. The result is visible at once.
- Confirm the desired setting with [OK].
- To save the setting and return to the main menu, push [RETURN] twice. The main menu appears.

#### 2.3.6. Counter

The counter registers the number of print actions.

To have the number displayed, push  $[\blacktriangleright]$  three times in the main menu.

- Push [MENU].
   "Date / Clock time" appears.
- Push [▶] twice.
   "Settings" appears.
- Push [SELECT].
   "Chipcard" appears.
- ▶ Push [▶] five times. "Counter" appears.
- Push [SELECT].
- To reset the counter to zero, push [SELECT] and [OK]. - or -
- ► To switch off the counter display, push [►] and [SELECT]. Use the buttons [◀] or [►] to switch between "ON" and "OFF". Confirm selection with [OK].
- To save the setting and return to the main menu, push [RETURN] three times. The main menu appears.

### - ChronoDater 920/922/925 \_\_\_\_\_ REINER

### 2.4. Model/Version

- Push [MENU]. "Date / Clock time" appears.
- ▶ Push [▶] three times. "Model / Version" appears.
- Push [SELECT]. "Model" appears.
- ▶ Use the buttons [◀] or [▶] to switch between "Model", "Serial number" and "Software version".
- ▶ To have the respective data displayed, push [SELECT].
- ▶ Push [OK].
- ▶ To return to the main menu, push [RETURN] twice. The main menu appears.

### 2.5. SF Module

Settings for maintenance by REINER Support.



### 3. Recognising and Removing Interferences

Display	Error cause	Remedy
No display	The device is not connected to the mains.	<ul> <li>Connect the included mains adapter to the ChronoDater and plug the mains adapter into a socket with the matching mains voltage.</li> </ul>
"Please wait"	The device performs set- tings.	<ul> <li>Wait until the device is ready for operation.</li> </ul>
"Batteries empty, please change"	The batteries for saving your settings are empty.	<ul> <li>Have the batteries replaced by trained specialists.</li> </ul>
"Insert Chipcard"	The Chipcard is not or incom- pletely inserted.	<ul> <li>Insert Chipcard.</li> </ul>
"Card inserted incorrectly! Turn over"		<ul> <li>Turn over Chipcard.</li> </ul>
"Please wait Printing"	Printing is difficult or blocked.	<ul> <li>If this message appears frequently, contact your specialist vendor.</li> </ul>
"Warning 01"	The memory was overwritten with default values.	Push [OK].
"Warning 15 to 17"	The Chipcard was not	<ul> <li>Insert matching</li> </ul>
"Warning 20"	inserted correctly.	Chipcard correctly.
"Warning 31"	The housing flap ② is not closed.	<ul> <li>Close the housing flap correctly.</li> </ul>
Printing is interrupted.	Too-thick print media or batch used. In exceptions, the print roll may block.	<ul> <li>Disconnect the mains adapter plug and tip the device backwards. You will see a knurled wheel on the bottom. Turn it until the block is relieved.</li> </ul>

## - ChronoDater 920/922/925 \_\_\_\_\_ REINER



### 4. Technical Data and Accessories

### 4.1. Type Plate

Check the type plate before the device is connected. The type plate is on the bottom of your ChronoDater 920/922/925.

It contains the following information:



The ChronoDater 920/922/925 meets the requirements of the EC directive 2004/108/EC. The device bears the CE mark for this.



The device is produced according to the safety standards IEC 950, EN60950 and VDE 0805.



### 4.2. Technical Data

Dimensions	210 mm × 160 mm × 138 mm
Weight	approx. 3.7 Kg
Print capacity per ribbon	up to 50,000 imprints (without printing plate)
Stamping time	approx. 0.5 seconds
Stamping sequence	max. 1 second
Batch thickness	max. 2 mm (25 chemical paper)
Ambient temperature for operation	10°C to 40°C; up to -8°C possible under certain conditions
Temperature for storage and transport	- 40°C to 70°C
Humidity for operation	30% to 70% relative humidity
Humidity for storage and transport	10% to 90% relative humidity
Power supply	via included mains adapter;
	protection class II
Mains voltage values for mains adapter	AC 100-240 V~0.7 A 47-63 Hz
Mains adapter output values	24 V = = = /1.05 A
Input power	24 V /1.0 A
Noise level	< 70 dB (A) work-related emission value purs. to ISO 7779
Protection class	IP20

### 4.3. Accessories

#### Ribbon cassette, sets of 2

Black: Order no.: 738 080 - 000 Red: Order no.: 738 080 - 001 Blue: Order no.: 738 080 - 002 Blind colour (red): Order no.: 738 080 - 011

### 4.4. Transport and Disposal

#### Transport

#### NOTICE

Damage to the device due to improper transport.

Only use packaging that provides protection from impact and shock to the device!

#### Disposal



Directive 2002/96/EC (WEEE) Electrical and electronic devices and rechargeable batteries do not belong in the household or residual waste. Dispose of devices with environmental consideration.

## **\_\_\_\_ REINER**

### 5. Contact

#### Ernst Reiner GmbH & Co. KG

Baumannstr. 16 78120 Furtwangen/Germany Phone: +49 7723 657-0 Fax: +49 7723 657-200 Email: reiner@reiner.de www.reiner.de

© 2012 Ernst Reiner GmbH & Co. KG

All rights reserved. Translation, reprint and other reproduction of these operating instructions, even in parts and no matter the form, shall require our express written consent. We reserve the right to make content changes to these operating instructions without notice. These operating instructions were drawn up with care; however, we cannot assume any liability for any defects and errors or resulting consequential damage.

GB

### 6. Index

### Α

Accessories	46
C	

Chipcard	34, 37
Cleaning	35
Commission	33
Contact	47
Counter	41

### D

Display and button functions	27
Display Contrast	41
Disposal	46

### Η

Housing flap26, 43	
--------------------	--

### Ι

Interferences	43
---------------	----

### Ρ

Paper stop	33
Password	
Activate	
Change	40
Power supply	34, 45
Print	35
Batch size	35
Number of copies	35

### S

Safety notes	.31
Selecting language	.36

Setting date	
Setting time	
Standby Mode	
Automatic	
Manual	35
Summertime	

### Т

Technical Data	44
Dimensions and weight	45
Geprüfte Sicherheit	44
Power supply	45
Transport	46
Trigger printing	38
Trip switch	33