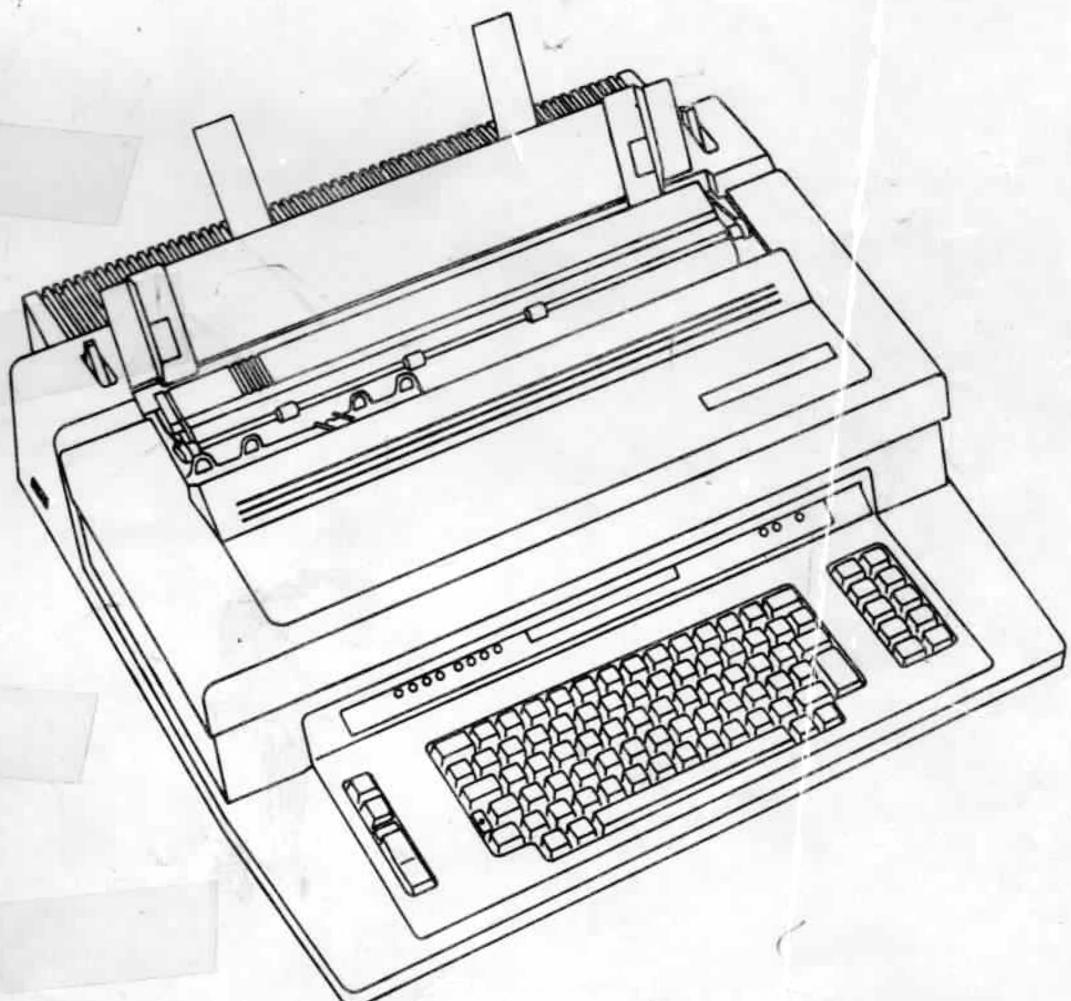
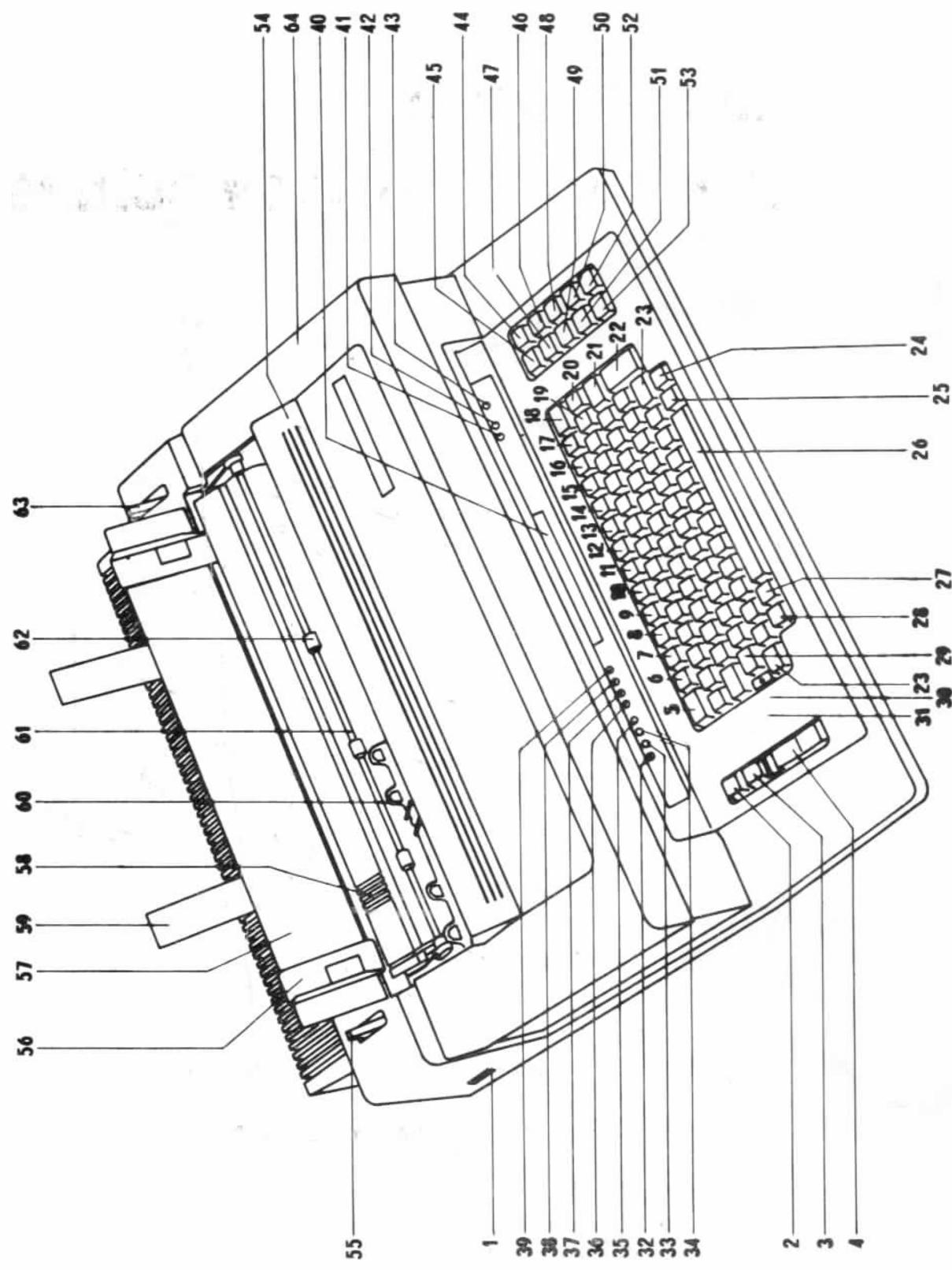


robotron

Elektronische Speicherschreibmaschine



Bedienungsanleitung



Controls

- 1 on/off switch
- 2 Return key
- 3 Stop button
- 4 combination key
- 5 Edge release button on the left
- 6 Decimal Tab key
- 7 Indentation key
- 8 Center button
- 9 Tab key with vertical bar
- 10 MDD button

- 11 a Clear memory button
- 11 b Pressure energy button
- 12 a Load memory button
- 12 b Key font division
- 13 a Process memory button 1
- 13 b Ribbon setting button
- 14 a Process memory button 2
- 14 b Taste Blockatz**
- 15 a Process memory button 3
- 15 b Interface receive button
- 16 a Constant memory button
- 16 b Send interface

- 17 a Taste Format speicher**
- 17 b Button for setting the 2nd language
- 18 Edge release button right

- 19 Backspace button

- 20 Taste Clear Ing**
- 21 Correction button

- 22 Carriage return key with line feed
- 23 Key switch for capital letters
- 24 key vertical tab backward

- 25 Half-line backward key**
- 26 Space key

- 27 Half-line forward button
- 28 Vertical Tab Forward Key

- 29 Shift lock key
- 30 Indicator lamp switch lock
- 31 **Taste Horizontal tabulator**
- 32 control lamp font pitch 1/10"
- 33 Control lamp font pitch 1/12"
- 34 Control lamp font pitch 1/15"
- 35 Control lamp font division proportional
- 36 Control lamp line feed line
- 37 Control lamp line feed 1.5 lines
- 38 Control lamp line feed 2 lines
- 39 Control lamp line feed 2.5 lines or variable
 - 40 alphanumeric display for operator guidance
 - 41 Interface received indicator light
- 42 Send interface indicator light
- 43 Indicator lamp Setting the 2nd language
- 44 Continuous text button
- 45 Page Repeat Print button
- 46 savings deposit button
- 47 **Taste Relocate**
- 48 Blocking font key
- 49 Target correction button
- 50 key automatic underline
 - 51 Delete text button
- 52 Bold key
- 53 Text Transfer button
- 54 scale for font division
 - 55 paper solvers
 - 56 Paper border left and right
 - 57 paper system
 - 58 Cover with marking for automatic paper feed
 - 59 paper support
- 60 line judges
 - 61 paper holding bar
 - 62 paper pressure roller
 - 63 paper feed lever
- 64 lids

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Function overview

2		Line break	<ul style="list-style-type: none">- the line spacing with each key press and is indicated by one of the four control lamps
3		Stop button	<ul style="list-style-type: none">- removes the keyboard lock that occurred as a result of the warning display- confirms a status set by the operator and cancels initialized functions (display goes out)- - interrupts automatic text output- conjunction with (+) stop sign in the text
4		Combination key	<ul style="list-style-type: none">- sets (+) and deletes (-) horizontal, decimal and vertical tabs- sets the margin setting (right, left, top) (+)- sets the indentation position (-)- closes the constant memory (+)- - closes the process memory (+)- the machine to the defined basic state in conjunction with the Clear (CL) and (+) keys <p>(everything in connection with the respective function key)</p> <ul style="list-style-type: none">- changes the volume of the acoustic signal (-)

5		left edge release button	<ul style="list-style-type: none"> - transports the print carriage to the left - releases the left margin; then the print carriage moves 5 places to the left with each key press
18		right edge release button	<ul style="list-style-type: none"> - transports the print carriage to the right - releases the right edge; then the print carriage moves 5 places to the right with each key press
31		Horizontal tabulator	<ul style="list-style-type: none"> - transports the print carriage in writing direction to the next horizontal tabulator - a horizontal tab with the combination key (+)/(-) - set horizontal tabs and decimal tabs in conjunction with the Delete key (CL) - triggers the printing of decimal numbers without decimal places
20		Clearing	<ul style="list-style-type: none"> - performs a general deletion in conjunction with switching on - performs a general deletion in conjunction with (+) - deletes entire tabs in conjunction with the respective tab key (Horizontal, Decimal, Vertical) - provides basic values in conjunction with the format key
21		correction	<ul style="list-style-type: none"> - deletes the last characters written and undoes entered functions

			- deletes the characters found with the target correction
			- the entered digits in the decimal tab before the expression
			- deletes entered text when centering before printing
28		Vertical tab forward	- moves the paper forward to the line of the next set vertical tab
			- substitutes the vertical tab in conjunction with the combination key (+)/(-)
24		Vertical tab backwards	- moves the paper backwards to the line of the next set vertical tab
25		Half-line switching backwards	- moves the paper half a line down - loosens the top edge - in conjunction with the shift key ensures fine adjustment
27		half-line switching - forward	transports the paper half a line up - in conjunction with the shift key ensures fine adjustment
45		page repeat printing	automatically writes out the last entered page
47		Relocate	- causes a programmed paper feed - returns the printer to its original position
49		Target correction	- positions 1 character backwards - positioned in conjunction with the target character on the character to be corrected

51



Delete text

- deletes the next character or function in the memory
- the text previously stored in memory when typing repeatedly in conjunction with an entered target character

53



Accept text

- writes the next character
- writes automatically by entering a target character to the desired position
- automatically writes in conjunction with (-) until the end of the text

44



(Body text does not apply to Arabic)

- automatically triggers the carriage return when the space or hyphen key is pressed within 8 characters of the right margin

46



savings account

- reduces the writing step

48



Blocking letter

- increases the writing step

50



automatic underlining

- automatically underlines as you write

52



Boldface

- prints each character amplified

6



Decimal tabulator

- transports the print carriage in writing direction to the next decimal tabulator
- sets/deletes a decimal tabulator in conjunction with the combination key (-)/(-)
- triggers the printing of decimal numbers without separator

7		Indent	<ul style="list-style-type: none"> - prints carriage to the indentation position without line feed - with the combination key (+) sets the indentation position
8		Centering	<ul style="list-style-type: none"> - moves the print carriage to the middle between the print carriage position and the right edge
9		Tabulator with vertical bar	<ul style="list-style-type: none"> - prints a vertical line at the tab position
29		Switchover lock	<ul style="list-style-type: none"> - in conjunction with the Shift key for capital letters, prints the characters of the third assignment
23		Shift key for capital letters	<ul style="list-style-type: none"> - capital letters and the upper characters of the writing keys in conjunction with the writing keys - performs fine adjustment in conjunction with the half-line keys - In conjunction with the shift lock, it prints the characters of the third assignment
22		Carriage return with line feed	<ul style="list-style-type: none"> - transports the print carriage to the starting edge - cancels the edge solution - writes out centered text

- | | | |
|------|---|--|
| 10 |  | - of setting of printing energy, font pitch, ribbon pitch, justified text and the working methods of the interface send/receive and 2nd language variant |
| 11 b |  | - Adjustment of the pressure energy in 3 levels |
| 12 b |  | - Setting the font division
1/10", 1/12",
1/15" and
proportional font |
| 13 b |  | - Setting the ribbon step simple/multi |
| 14 b |  | - Setting the justified text |
| 15 b |  | - Received |
| 16 b |  | - Send
(for interface and
cassette connection) |
| 17 b |  | - Setting the 2nd language
(only for bilingual
variant) |

11 a		Clear memory	<ul style="list-style-type: none"> - initializes the function to delete the process, constant and format memories
12 a		Load memory	<ul style="list-style-type: none"> - initiates the Load function for process, constant and format memory
13 a		Process memory 1, 2, 3	<ul style="list-style-type: none"> - saves texts in conjunction with the Load Memory key and the combination key (+) or paper eject
14 a			<ul style="list-style-type: none"> - retrieves memory - deletes in conjunction with the Clear Memory button
15 a			<ul style="list-style-type: none"> - retrieves memory - deletes in conjunction with the Clear Memory button
16 a		constant memory 1-10	<ul style="list-style-type: none"> - stores constant text parts in conjunction with the Load Memory key, the corresponding number key and the combination key (+)
			<ul style="list-style-type: none"> - retrieves stored texts in conjunction with the respective number key
			<ul style="list-style-type: none"> - deletes in conjunction with the Clear memory key and the corresponding number key
17 a		Format memory 1-4	<ul style="list-style-type: none"> - a format in conjunction with the Load Memory key and the corresponding number key
			<ul style="list-style-type: none"> - up stored formats in conjunction with the respective number key
			<ul style="list-style-type: none"> - deletes in conjunction with the Clear memory key and the corresponding number key

Introduction

Your electronic memory typewriter was designed to take routine work off your hands. It offers a level of typing comfort that conventional typewriters do not have.

It is therefore very important for you to know this electronic memory typewriter in detail in order to make the most of its numerous possibilities.

Therefore, please read this instruction manual very carefully!

Your electronic memory typewriter is equipped with a text memory with a capacity of 7 K bytes. All characters and functions are stored in it, so that you can easily correct and automatically rewrite form letters, offers, invitations, etc. In addition to 3 process memories, there are 10 constant memories (e.g. for addresses, greetings or reference lines). The 4 most common paper formats can be set up and stored in the format memories ready for retrieval at any time. The page repeat print function enables you to automatically rewrite the last page entered. With convenient correction options, you can correct spelling errors that you notice immediately or those that you only notice later. A display informs you at a glance about all the machine functions that have been called up, such as underlining, loading memories, etc. It also makes communication with the machine easier for you by displaying possible operating operations (menu selection).

All typing keys work like on conventional machines. Each typing key and the function keys carriage return with carriage return, space bar, backspace, half-line up and down trigger a continuous function. To do this, you must press the desired key for longer, but not harder.

The effect of all other function keys is explained in the following text.

A Commissioning

When commissioning your machine, please ensure that it is only operated with the technical data stated on the rating plate.

Turning the machine on and off

- slide switch on the left side of the housing
- switching on the machine, the print carriage moves to the writing position
- control lamps for font division and line spacing light up
- paper is fed in, all writing and function keys are blocked (except for the and keys).



The paper feed

- paper in the area of the marking on the eraser pad
- Pull the paper feed lever forward until the paper has passed under the paper holding bar
- Paper is automatically fed to the 1st writing line and the print carriage is ready to write on the left edge
- When writing multiple copies, the distance between the printer and the platen roller can be increased using the lever below the ribbon cassette (FBK) by moving it to the right.

Align the paper manually

- Pull the paper releaser forward
- Align paper
- Return the paper remover to its home position

Fine tuning

- Hold down the Shift key
 - Half-line key up
- Release Shift key



or below



operate

The paper ejection

- Paper ejection is possible at any writing position
- Press the paper feed lever
- Paper is completely ejected

If the paper is not fed to the first writing line, the paper feed lever must be operated again.

The stop button

This key unlocks the keyboard, which is associated with the appearance of a message in the display (e.g. *** 07 ***), and simultaneously deletes this message.

The automatic writing can be interrupted at any time by pressing the stop button.

If you want to stop at a certain point when retyping, for example to write the name after the salutation in form letters, you must set a stop code by pressing the stop key in conjunction with the combination key "+".

Functions that have been initiated incorrectly by mistake (horizontal tab instead of decimal tab) are canceled by pressing the stop key as long as the function key has not been released.

This button confirms the set machine status (e.g. printing energy).

Basic values of the machine

When first put into operation, the machine has the following framed basic status.

line from the top

at line spacing
first line of writing
Vertical tabulator

1	1 1/2	2	2 1/2
5	4	3	2
14	9	7	6
25	17	13	10

when sharing writing	1/10"	1/12"	1/15"	Proportional
Linker Rand	10	11	14	11
right edge	74	88	111	88
Engage position	20	23	29	23
Horizontal tabulator	15	17	22	17

acoustic signal:

beep

change acoustic signal

- Press the combination key "~-"

General deletion

- Taste  hold onto

Advertisement:



(If there is paper in the machine, only "+" appears in the display)

- Press the combination key "~-"
- automatic paper ejection
- An acoustic signal sounds and the display shows the message ***D0*** appears
- - Press the stop button

or with the machine switched off

- down the  button and switch on the machine

- automatic paper ejection
- an acoustic signal sounds and the display shows the message ***D0*** appears

- Press the stop button

Through the general deletion, the framed basic values are available to you, all memories are deleted.

Retrieval of core values - without deleting the memory contents

- in front of paper feed button  hold onto

Advertisement:



- Taste  operate

You can also use these steps if your machine does not work as expected due to unusual operation. -

hyphen/dash

When writing manually, hyphens and dashes must be treated differently, because when writing repeatedly, words separated by line breaks are written together and the hyphen is automatically omitted.

For dashes that should always be retained, the following procedure applies:

- Hold the stop button
- Press the hyphen key
- Release the stop button

Edge lock

After the acoustic signal has sounded in the right edge zone, the following characters can still be seen in the possible customs divisions:

be written: 1/10" -

- | | |
|---------------------------|---------------|
| --- | 8 characters |
| - 1/12" | 9 characters |
| - 1/15" | 12 characters |
| - Proportional
approx. | 9 characters |

After that, the right edge and the writing keys are locked.

Loosen writing edges

right and left margins

- right



or left edge release button



operate

Advertisement:

0	7	4	+	:	0	7	4		
----------	----------	----------	----------	----------	----------	----------	----------	--	--

respective position of the
printer

set right margin

Advertisement:

0	1	0	+	:	0	1	0		
----------	----------	----------	----------	----------	----------	----------	----------	--	--

respective position of the
printer

set left margin

After releasing the writing edges, the writing process can be continued.

The display goes out when the carriage return key or stop key is pressed.

Set writing margins

right and left margins

- Loosen the edge as described above
- print carriage to the desired position using the margin release key (in steps of 5), space or backspace key. Press the combination key "+" An acoustic signal sounds as confirmation, the display - goes out

top edge

Half-line key up



operate

- Edge is solved
- Display indicates corresponding line of writing
- with half-line key up



or downwards



Set the desired writing line

- Press the combination key "+"
- An acoustic signal sounds as confirmation
- Display goes out

The changed conditions remain until the process memory (Chapter 4.6), format memory (Chapter 5.6), basic values are called up without deleting the memory contents, general deletion or manual changes.

Select line spacing

The machine has 4 different line spacings, 11, 522, 5. By pressing the button several times



the desired line spacing is set.

This is visible through the corresponding indicator lights to the left of the display.

variable line switching

In conjunction with the line spacing of 2.5, a variable line spacing can be set, which is particularly advantageous for writing any pre-printed form line-aligned.

Set variable line spacing:

- Select line break level 2.5 and press
- Press the half-line key to the desired position (also in continuous function)
- Release button



hold onto

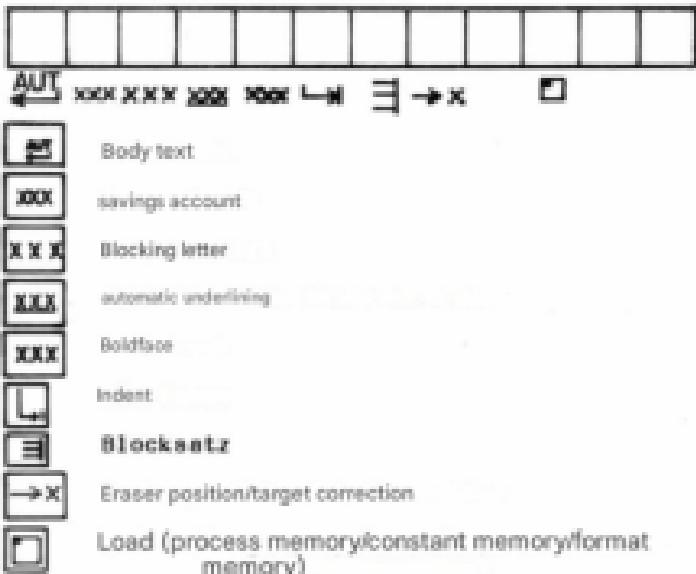
When the process memory, format memory, basic values are called up without deleting the memory contents and general deletion, the 4th line spacing is again set to 2.5 lines.

End of display

The display with the message ***07*** and an acoustic signal indicate the end of the sheet. After pressing the stop button, the machine is ready to write again. Now 3 more lines can be written.

C Display for operator guidance

The 12-digit display on your machine has two different functions. On the one hand, it provides an overview of the functions called up (e.g. indentation, automatic underlining, etc.) and on the other hand, it provides information on selected functions and operating instructions (menu display).



MOD button

This key provides functions for further writing preparation.

After pressing the MOD button, the following appears in the display:
of the image (menu):



Orientation about the
remaining available storage capacity

- | | |
|--|--------------------|
| | pressure energy |
| | Scripture division |
| | Ribbon cassette |
| | Blocksatz |
| | Receive interface |
| | Send interface |
| | Language switching |

This display can be cancelled by pressing the stop button.

Select pressure energy.....

- MOD button, the display shows a menu for selection
- The pressure energy is adjusted by multiple actuations. 3 impact strengths are possible.
the button

Velocity:

	= weak
	= medium
	= strong

Advertisement:

E.B.



When you press the stop button, the display goes out and the machine works at the pressure energy you have set.

Select font division.....

- Press MOD button, the display shows a menu for selection
- The font division is adjusted by pressing the * key several times
the button

- the divisions 1/10", 1/12", 1/15" or proportional font (PS) are selectable

Advertisement:



z.B.

The currently set font pitch is also indicated by control lamps to the left of the display. Now press the stop button and your machine is ready to write with the desired pitch.

Select ribbon setting

- Press MOD button, the display shows a menu for selection
- Press the button and the display will show information about the set color band

Advertisement:



z.B.

- Selection between ribbon cassette types
 - I = tape simple, Carbon tape correctable and fabric tape
 - III = Carbon band multiple (multistrike)

- By pressing the button several times the desired ribbon type can be set

Press the stop button to return to the normal writing cycle.

Select language switch (only for bilingual versions)

- Press MOD button, the display shows menu for Selection
- Press the KB button

Advertisement:



- press the KB button again

Advertisement:

K : n o p y c c k u ū

When the stop button is pressed, the machine is ready for the 2nd language programmed.
The set status is indicated to the right of the display above the "KB" symbol.

If you want to continue writing in the main language,

proceed as follows:

- Press MOD button
- Press the KB button.

Advertisement:

K : n o p y c c k u ū

- Taste  operate

Advertisement:

K:German

- Press the stop button, the control lamp goes out, the main language writing cycle is reached again.

Attention: Type wheel change required (Chapter VI)

Interface

The wiring of the machine may only be carried out by the relevant service company.

There are 3 operating modes to choose from:

- Send
- Received
- Duplex (send and receive)

Send

Turn on:

- After pressing the MOD button, the display shows the menu
- Taste  operate

Advertisement:

 : 

- press the button again



Advertisement:

 : 

Danger: This display only appears if a connection has been established with another machine and both are ready to receive. If no connection has been established, the message ***13*** appears in the display.

- button, the desired status is set, the display goes out

To check this, the corresponding green lamp to the right of the display lights up.

Turn off:

- Press the MOD button and select the menu

Advertisement:



- Taste  press, green indicator light goes out

Advertisement:



Pressing the stop button confirms the switch-off and the display goes out.

Received

Turn on:

- After pressing the MOD button, the display shows 

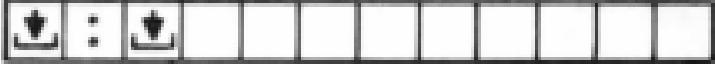
- Taste  

Advertisement:



- pressing the button again 

Advertisement:



- Press the stop button, the desired status is set, the display goes out

For your control, the corresponding green indicator light to the right of the display lights up.

Turn off:

- Press the MOD button and select the menu

Advertisement:



- Taste  press, green indicator light goes out

Advertisement:



Pressing the stop button confirms the switch-off and the display goes out.

Chapter II: Effortlessly correct typos - no more fear of

A Immediate correction

If you notice a typo immediately, press the correction key



+ The wrong character is deleted

or the incorrectly entered function is undone. By pressing the correction key again, you can delete backwards (also works in continuous mode, although this is interrupted by all tabs, line breaks, spaces and backspaces).

B Target correction

If the character or word to be corrected is further back, the target correction is applied (up to the beginning of the page or up to a completed process or constant memory).

The target correction is made with the



initiated.

- Taste  and desired target character (writing or function key)
- Taste  release

The print carriage moves to the target character. If the target character is not present, the machine will alert you to your error with the message ****0d**** on the display. This can be cancelled by pressing the stop button and the display will go out. The machine will wait for you to enter a new target character.

Once the machine has found the target symbol, it can continue working as follows:

1. Press the correction key



the characters will be

lifted backwards and also erased from the memory (Chapter V). The correct character or word can now be written. If you continue writing over the gap created by the correction, the following characters are lifted by pressing a write key and replaced by new characters. If a space is required, the space key is pressed and the letter is lifted from the paper.

2. Corrections can also be made forwards from the target character.

The correction key is not pressed, but the correct letters are inserted immediately.

The incorrect character is deleted and replaced by the new one (also in the memory).

If the entered target character appears several times, the print carriage always stops before the next character. The target character must be entered again or several times to reach the desired correction position.

During the entire correction process, an equal sign appears in the display above the symbol.



When the key is pressed, the



print carriage returns to its original writing

position. The display goes out.

In the case of proportional fonts, correction on the original is only partially applicable, since the incorrect and correct characters must have the same width to ensure a clean correction.

Chapter III: The automatic writing functions

	savings account
	Blocking letter
	automatic underlining
	Boldface

The effect of these text highlights takes effect immediately after pressing the corresponding key. To check the selected functions, an equal sign is assigned to the corresponding symbol in the display. These highlights can be combined. This function is switched off by pressing the corresponding key and the equal sign disappears.

Third-party assignment of writing keys

Additional characters can be written in conjunction with the number keys. These characters are shown in the top right corner of the number keys.

- Shift key with Shift lock key simultaneously hold onto
- press the corresponding key in the number row

The last of these triple-assigned number keys continuously prints a vertical line towards the bottom writing edge.

Centering

Centering (setting in the middle) works between the respective printing position and the right edge.

- Center button



operate

— - Print carriage moves to the center

Advertisement:



- Enter text
- Text is written non-printing and runs through the Advertisement

The text can be corrected by pressing the correction key. New text can be entered.



Pressing the carriage return key prints the text.

If you want to highlight during centering, you must first turn on the highlight and then press the Center button.

Indent

Changing the engagement position

- Print carriage with space or backspace to desired Bring position
- Indent key  hold onto
- Combination key "+"  operate
- Indent key  release

To check, an equal sign lights up in the display above the indentation symbol.

Indent

- Indent button  operate

The print carriage moves from any position without a line feed to the desired Indentation. As long as the indentation function is active, the print carriage moves to the indentation position when the carriage return key is pressed.

Unindent

- Press the carriage return key twice

Body text

After the acoustic signal sounds in the right margin zone, the carriage return is automatically performed after a space or hyphen is executed if the running text is switched on.

Turn on

- Flow text button  operate

For control purposes, an equal sign lights up in the display above the flowing text symbol.

Turn off

- Pressing the button again will turn off the text display  , the

Block satz

When writing repeatedly, the text is printed with the margin aligned to the right if the text was entered in the right margin zone when the acoustic signal was heard the first time. The spaces between words are expanded evenly so that the last character is always cut off at the right margin. The typeface on your sheet looks "as printed".

Danger : Texts to be written out in justified format must generally end with a carriage return.

The justified function only works in repeated writing.

The keyboard is locked when justified text is switched on. Manual typing is only possible after this function has been switched off.

Turn on

- after pressing the MOD button, the display shows
menu
- Taste  press

Advertisement:



- press the button again



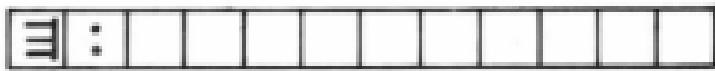
Advertisement:



Now press the stop button and your typewriter will work in justified text. To confirm this, an equal sign will light up in the display above the justified text symbol.

Turn off

- After pressing the MOD button, the display shows
menu
- Taste  press



Pressing the stop button confirms the switch-off and the display goes out.

Chapter IV: Tabulation

Horizontal tabulator

A maximum of 25 tabs can be placed in a line.

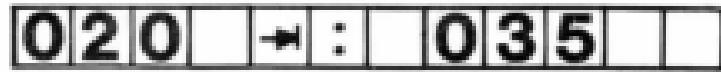
Set horizontal tab

- Move the print carriage to the desired position
- Tab key



hold onto

Display: e.g.



Position of the
print carriage

position of the next horizontal tab

- Press the combination key "+"
- Release the tab key, the display goes out

Tabulate

- Tab key



(as long as this button is pressed

is held, the display shows, for example, the image above)

When you release the tab key, the print carriage moves to the writing position indicated on the right of the display. The display goes out.

If no further tab stop is set, the message ***02*** appears in the display, which can be canceled by pressing the Stop key.

Delete horizontal tabs individually

- Move the print carriage to the desired position
- Tab key



hold onto

- Combination key "--"
- Tab key



operate
release

Delete horizontal tab altogether

- Taste  operate

Advertisement:



- Horizontal tab key  operate

The display goes out and all set horizontal tabs are deleted.

Tabulation with vertical bar

The printing of the vertical bar depends on the type wheel assignment. When writing a table, a vertical bar is printed at the tab stop if you press the tab with vertical bar key instead of the horizontal tab key.



Attention: The line spacing must be 1 line to create a closed line.

Vertical tabulator

A maximum of 15 vertical tabs can be placed on one page.

Set vertical tabulator

- set the desired line
- Vertical tab key



hold onto

Advertisement:

e.g.



current writing line

Position of the next tab stop

- Press the combination key "+" Vertical tab key
-



let go of that

Display goes out

Tabulate

tab forward

- Vertical tab key



operate

tab backwards

- Vertical tab key



operate

After releasing the vertical tab key, the print carriage moves to the line that appears on the right of the display. The display goes out. If no vertical tab is set, the print carriage stops while tabbing. The message "'''Q2'''" appears on the display, which must be cancelled using the stop key.

Delete vertical tabs individually

- set the corresponding line

- Taste or hold onto

- Combination key "-"

- Taste or operate

- Taste or release

Delete vertical tab altogether

- Taste operate

Advertisement:



- Taste press, the display goes out

Decimal tabulator

Set decimal tabulator

- up to the separator (country-specific either comma or point) or for whole numbers up to the

Move the writing position after the last digit

- decimal tab key hold onto

Display: e.g.



current writing position

position of the next decimal tabulator

- Press the combination key "+", the display goes out
- Decimal tab key



Tabulate

- Press the **DT** button

Advertisement:



When you enter the numbers, the print carriage moves step by step to the left without printing and the numbers entered appear in the display field.

An incorrectly entered number can be deleted before printing using the correction key.



The printout is made by entering the separator (either comma or period) or, for whole numbers, by pressing the horizontal tab key or the decimal tab key.



DT or the carriage return key if the number is at the end of the line. If no further tab is set, the carriage stops during tabulation and the message ***02*** appears in the display, which must be cancelled with the stop key.

Delete decimal tabulator individually

- Print carriage up to decimal tab position to be deleted
- move
- decimal tab key
- Press the combination key "+"
- Decimal tab key



hold onto



release

Clear decimal tabulator entirely

- analog horizontal tabulator delete entire

Chapter V: Working with the Storage

The internal memory capacity is 8 K bytes. Of this, 7 K bytes can be used for page repeat printing, process and constant storage (corresponds to approximately 4–6 business letters) and 0.5 K bytes for 4 format memories.

A Page repeat printing

The content of the last page written can be accessed as often as you like.

The display takes on the function of an active operator prompt. The next character or function in the memory appears on the right of the display.

- Taste  operate

Advertisement:

e.g.



next character in memory

Edit

If you want to revise your text (also valid for texts from the process and constant memory, Chapter V B/C), you must activate the continuous text function to ensure automatic line breaks.

The line shifts resulting from corrections are made automatically.

Automatic rewriting occurs up to the desired position, including the entered character or function.

until the end of the text

- Text acceptance button  hold and combination key
Press “*”.
- Release the text transfer key

to the end of the line

- Hold down the text entry key and press the carriage return key
 - Release the text transfer key

until the end of the sentence

- Hold down the text transfer key and press the punctuation key

... ? or !

- Release the text transfer key

until the end of the word

- Hold down the text transfer key and press the space bar

— - Release the text transfer key

If the word is at the end of the line, the carriage return key must be entered as the target instead of the space bar.

up to a certain letter or function

- Hold down the text transfer key and select the target letter or

 Press the function key

— Release the text transfer key

character by character

— Text transfer key; one letter is printed or a function is carried out at a time.

You can manually interrupt automatic writing at any time by pressing the stop button.

After correction has been made, the print carriage stops at the right edge during automatic continuation after the acoustic signal sounds if the machine does not find a space or hyphen as a termination condition. Now you must copy character by character up to the end of the syllable and write a hyphen so that the carriage return occurs automatically.

To delete multiple letters, words, functions or lines, we use the same operating sequences as for automatic repeat writing.

The deletion always only occurs with the entered character or function.

until the end of the text

- Text delete button



hold and combination key

 operate

— - Release the text delete button

to the end of the line

- Hold down the text delete key and press the carriage return key

— - Release the text delete button

until the end of the sentence

— - The text delete key and press the punctuation key

 I. Press ? or !

— - Release the text delete button

until the end of the word

- Hold down the text delete key and press the space bar

- Release the text delete button

If the word is at the end of the line, the carriage return must be entered as the destination.

up to a certain letter or function

- down the text delete key and select the target letter or
Press the function button
- Release the text delete key

character by character

- Press the text delete key, one letter or function is deleted at a time

B Process memory

Texts that have been entered once can be saved in the 3 process memories and



automatically

Corrections, deletions and additions can be made without any problem. The original text remains in the closed process memories.

Filling the process memory

- Load button operate

Advertisement:



- To select a process memory, press the corresponding button
An acoustic signal sounds as a control and an equalization symbol lights up above the charging symbol in the display.
- Write text.
- Combination key "+" or paper ejection close loading process
An acoustic signal sounds and the display goes out.

Filling the process memory 1 2 or 3 even while writing until the paper is ejected with the

Load button The text written up to that point is also saved. If the printer is to stop at a certain point when outputting the saved text,

If you want to stay, for example, to insert a name, then proceed as follows; -

- Writing position is reached
 - Hold the stop button
 - Press the combination key "+"
 - Release the stop button
- An acoustic signal sounds as confirmation.

If the saved text is called up several times, the print carriage will always stop at the position you specified.

Retrieving the transaction logs

- Select the process memory button and press it

Advertisement:



To the right of the arrow, the next character in memory is displayed.

Printing is done analogously to page repeat printing (Chapter VII) up to the desired position.

The text can be interrupted manually at any point by pressing the stop button



If the contents of the memory are continuously printed, the display goes out.
Editing, i.e. inserting or deleting functions, letters, words or lines, is possible during printing. You use the same operating algorithm (copying text, deleting text) as for repeat page printing.

Clearing the process memory

- Clear memory button  operate

Advertisement:



all 3 memories occupied

still free storage capacity

When you enter one of the three process memories, the corresponding memory is deleted. An acoustic signal sounds to confirm.

- Press the stop button, the display goes out

C constant memory

In addition to the three process memories, the electronic typewriter offers you the possibility of storing texts in 10 constant memories.

Filling the constant memory

- Load button  operate

Advertisement:



still free storage capacity

- Constant memory button  operate

Advertisement:



The display shows that all 10 constant memories are available.

- constant memory via the numbers 1-0 on the keyboard

Do you want to store a constant in constant memory 1?
Then:

- Press the key with the number 1
An acoustic signal sounds and an equal sign appears above the charging symbol in the display.
- Write constant
- Press the combination key “=”
An acoustic signal sounds and the display goes out.

Retrieving the constant memory

- Constant memory key K  operate

Advertisement:

e.g.



It is obvious that constant memory 1 is occupied.

- Press the key with number 1, the text is immediately written out.

Printing can be interrupted by pressing the stop button. If insertions or deletions are necessary, proceed as for repeat page printing.

Changing a constant store of all contents - without deleting

- pressing the button



- Select the corresponding constant memory and hold down the number key
- Press the combination key "+"

Advertisement:

e.g.



the next character in
memory

- Transfer of the text (analogous to page repeat printing) until the required change
- deletion of functions, letters, words or lines analogous to page repeat printing
- Printout of the constant memory until the end of the text

- Taste

hold and press the combination key "+"

operate

- Taste

release

The change of the constant is completed by pressing the combination key "+". An acoustic signal sounds and the display goes out.

Clearing the constant memory

- Clear memory button



operate

Advertisement:



still free storage capacity

- Taste

operate

K	:	1								
----------	---	----------	--	--	--	--	--	--	--	--

It is obvious that constant memory 1 is occupied.

- Press the key with the number 1
An acoustic signal sounds.
- press the stop button, the display goes out

The work with the other constant memories is done in the same way.

D format memory

In addition to the basic format described in Chapter I (Basic values of the machine), 4 different formats can be saved.

The following conditions are stored in the format memory:

- top edge
 - left and right margins
 - Horizontal tabulator
 - Decimal tabulator
 - Vertical tabulator
 - Engage position
- } together a maximum of 26
maximum 16

Filling the format memories

- or during writing a page, the load button can be pressed after changing the above conditions.

	:	1	2	3	KF	5	3	2	1
--	---	----------	----------	----------	-----------	----------	----------	----------	----------

still free storage capacity

- Taste  operate

F	:	1	2	3	4				
----------	---	----------	----------	----------	----------	--	--	--	--

It is clear that all 4 format memories are available.

The format memory is selected using the numbers 1-4 on the keyboard.

If you want to save a format in format memory 2:

- Press the button with number 2. An acoustic signal sounds.

Retrieval of format memories

The format memories are retrieved before paper is fed.

- Format memory button  operate

Advertisement:



- Press the key with number 2

The saved format is available to you and is confirmed with an acoustic signal.

This format is valid until another is requested or the same format is changed.

Clear format memories

- Clear memory button  operate

Advertisement:



- Format memory button  operate

Advertisement:



- Press the key with number 2
An acoustic signal sounds.
- Press the stop button, the display goes out

Working with format memories 1, 3, 4 is done in the same way.

E Magnetic tape cassette connector

For external storage of information, we offer you the option of connecting cassette tape devices.

Preparation

- Plug the transfer cable into the diode socket on the back of the typewriter and cassette recorder
- Set cassette recorder to automatic control

Storing a text on a magnetic tape cassette

The text is outsourced page by page.

- Write text
- Hold down the Stop button and press the Send button
- Release the stop button



operate.

Advertisement:



- Enter a password (max. 10 characters)

We recommend that you choose the tape counter number of the cassette recorder as the password so that the text can be found more quickly when reading it.

Advertisement:



password

- Switch the cassette recorder to recording Press the combination key "•"
- After the acoustic signal sounds, the display goes out. The text is stored on magnetic tape.
- Turn off recording.

Transfer of the text from the magnetic tape cassette

- using the corresponding forward or backward button, move the magnetic tape to the assigned number of the tape counter
Position and hold the
- stop button
- Receive button



operate

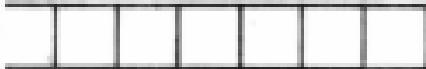
Release the stop button

Advertisement:



- Enter the corresponding password

Display: e.g. 1008



- Press the combination key "+"¹⁾
- Switch the cassette recorder to playback.
After the acoustic signal sounds, the password disappears. The next character of the text is shown in the display.
- Turn off playback

Further processing is analogous to page repeat printing (Chapter V/A).

You should change the type wheel and the ribbon cassette while the machine is switched on.

Change the type wheel

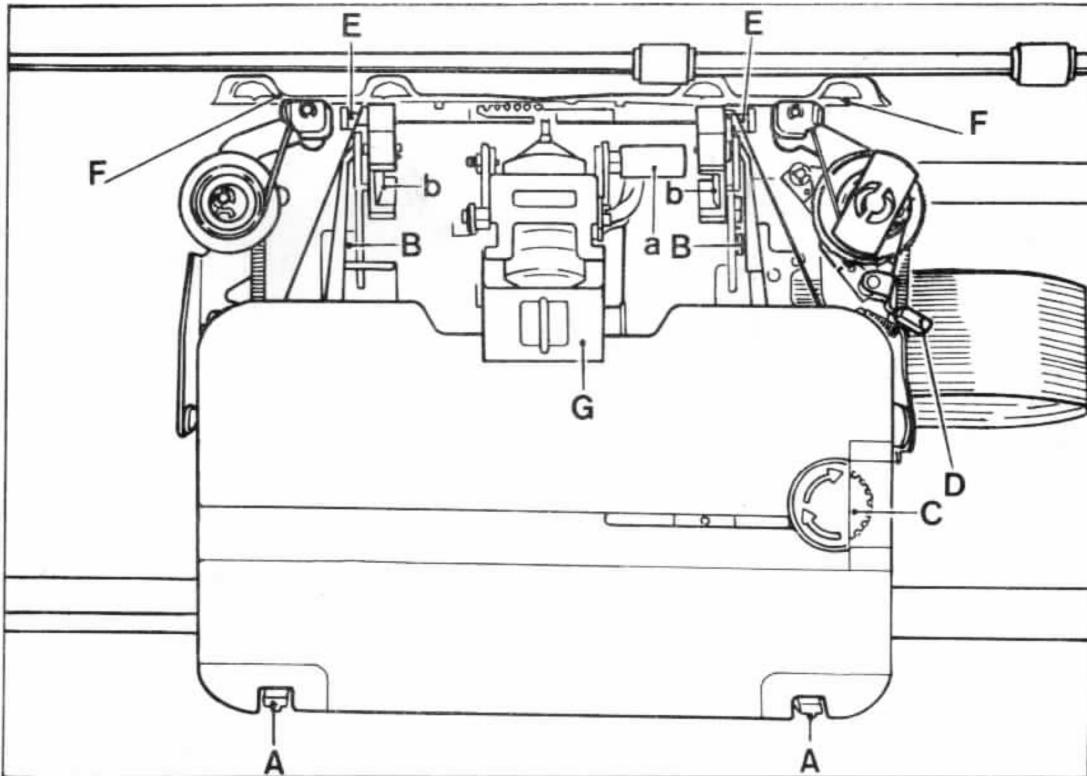
- Open the cover at the front with both hands and lift it until it clicks into place
- Pull the handle element (a) towards the keyboard until it clicks into place
- Remove the cassetted type wheel and insert a new one into the two slots (b)
- Press the handle element (a) towards the roller
- Close the cover Type wheel rotates to the home position

Change the ribbon cassette

- Open the cover at the front with both hands and lift it until it clicks into place
- Fold up the writing position indicator (G)
- Hold the cassette with both hands, release the levers (A) with your thumb and remove the cassette
- Before inserting the new cassette, tighten the ribbon by turning the colored tension wheel (C)
- Hold the cassette at an angle and insert the ribbon into the ribbon fork (E)
- Hold the cassette at an angle and insert the ribbon into the ribbon fork (E)
- Pull the cassette back slightly in this inclined position and insert it into the fixing (B) on the left and right
- Press the cassette down and engage the levers (A)
- Ribbon tensioning wheel (C) in the arrow direction.
- Return the writing position display (G) to its original position
- Close the lid

Change correction tape (lift-off)

- Open the lid at the front with both hands and lift until it clicks into place
- Move the safety lever (D) towards the ribbon cassette and lift the right and left lift-off ribbon spools upwards deduct
- Place the new ribbon reel on the left, insert the ribbon between the outer ribbon fork and the line straightener (F). Move the locking lever (D) towards the ribbon cassette and place the right ribbon reel
- Close the lid



Chapter VII: Maintenance and Care

The machine must be covered with a dust cover after work has been completed.

If necessary, the panel can be cleaned with a soft cloth.

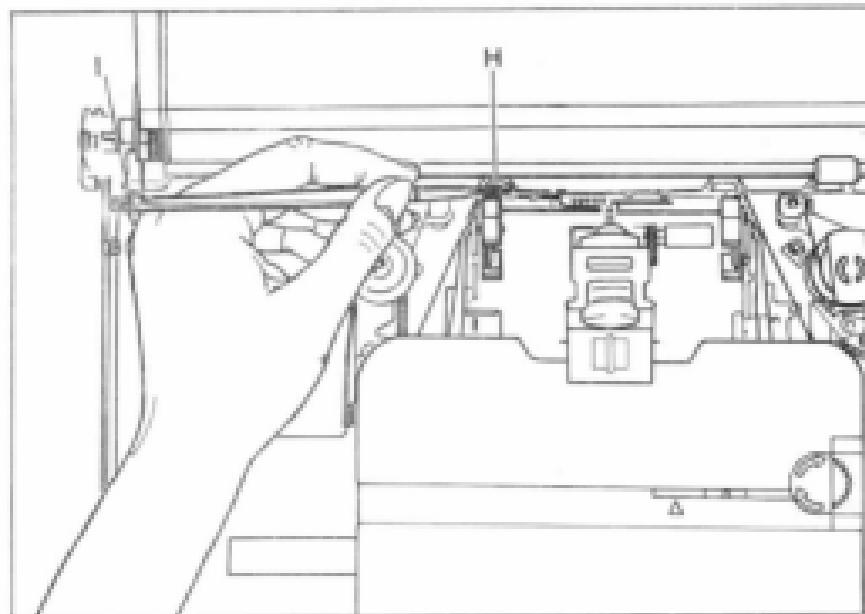
If the type wheel is dirty, it should be cleaned lengthwise with a soft brush and spirit, never with solvents containing acetone.

The roller can also be cleaned with spirit.

At least every 3 months, the optocoupler of the paper detection (H) must also be cleaned with a narrow brush. The brush is placed from above between the front of the optocoupler and the line straightener and with light vertical and horizontal movements of the brush, the

Dust removed from this area.

If there is uncertainty about the paper edge detection, the reflector (I) must also be cleaned with a narrow brush.



Chapter VIII: Technical Information

Machine number (visible on the bottom right of the machine frame when the lid is opened)	----- (please enter)
Printing principle:	mechanically serial
Print speed:	17 Z/s
max. writing width:	335 mm = 13,2"
max. paper width	420 mm = 16,5"
Type carrier:	Type wheel 100 characters with the additional possibility of vertical and horizontal character composition
Font division:	1/10", 1/12", 1/15", proportional font
Line spacing:	1-, 1.5-, 2-, 2.5-line, the line spacing 2.5 is freely programmable
Half line spacing:	1-line spacing: 1/6"
Ribbon cassette types:	Carbon tape, easy lift-off, correctable: 100.000 characters Fabric tape, endless: 1.5 million characters
Correction tape:	Lift-off correction tape on a separate spool
Number of benefits:	1 original, 4 copies using the following paper: paper qualities: m-* 1 80-120.gm copies 40.gm z Kohlepapier 20 gm
Storage capacity:	RAM memory 8 K bytes dynamic text memory 7 K Byte is divided into: 10 constant memories 3 Process memory division into segments for page-oriented storage 4 format memories

Connection option:	for magnetic tape cassette device and as calligraphic printer with interface CCITT V 24, EIA RS 232 C, bit serial
Data retention:	17 days
Mains connection:	AC voltage 220 V or 220/240 V or 100/127 V convertible
Voltage tolerance:	+ 10% / - 15%
Protective measures:	Safety extra-low voltage with mains isolation, protection level IP 10, protection class II Compliance with TGL RGW 1110 VDE 0806 or DIN/IEC 380 is guaranteed
Power consumption:	maximum 90 W
Weight:	19,2 kg
Mass:	Width: 582 mm Depth: 555 mm Height: 190 mm without paper support and controls

Chapter IX: Table of Notes

All instructions are given with an acoustic signal and can be cancelled again with the stop button.

Notes	Reason
00	Machine has performed a general deletion, all process, constant and format memories are deleted, machine is in the basic state
01	ribbon end or tear
02	no tab set
03	the permitted number of tabs is exceeded
04	the desired character is not in memory
05	there is no paper inserted or the paper is not recognized
07	End of arc detected
08	Memory warning, about 100 characters can still be written
09	End of storage, complete loading
10	unordered memory content
11	Marginal error
12	Functional sequence is not permitted
13	Data transmission disrupted

Messages that are greater than ***20*** should be cancelled by pressing the stop button, by general deletion or by switching the machine on and off several times. If this does not resolve the problem, a technician must be contacted.

Add to:

To correct the characters of the third assignment, we recommend that you position the print carriage near the "wrong" character using the target correction key and a search character. Now press the target correction key until the print carriage is exactly on the character to be corrected. The print carriage only moves backwards one step at a time.

Also an example of this:

The Maid of Orleans is one of the most famous women in world history.

- Target correction button
- Write button
- Target correction button



The carriage is placed on the letter "a" in the word "women".

- Target correction button again
- Write button
- Target correction button



The carriage moves to the letter "a" in the word "Orleans".

- Target correction button once



The carriage takes a step back and is now located exactly on the "wrong" letter "é".

- write the letter "é" of the third assignment (hold down the Shift key and the Shift key together and write the character of the third assignment)

The incorrect character is automatically deleted and the correct character is inserted.

- Taste Relocate → and the print carriage immediately returns to its starting position.

It then correctly says:

The Maid of Orleans is one of the most famous women in world history.

to the operating instructions Electronic Memory Typewriter

Page 17

5. Painting

- If ***00*** appears in the display, the machine has performed a general reset. Then press the stop button



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Paragraph 3, sentence 1, second line: delete "before"

and replace with "on"

after the 5th sentence insert:

Example of target correction:

Correct effortlessly, no more fear of typos And this is how it is done:

- Target correction button
- Write button
- Release the target correction button

hold onto

operate

The carriage is positioned on the letter "i" in the word "spelling errors."

- press and hold the target correction button again
- Press the write key
- Target correction button

release

The print carriage is now located exactly on the "i" of the incorrect word "kiene".

- Write the correct letters "e" and "i" one after the other. The incorrect characters will be automatically deleted.

After the correction has been made

- Taste Relocate

Press

→x and the print carriage moves back to its starting position.

You can of course also use the described variant for immediate correction within the target correction if the print carriage is located to the right of the character to be corrected.

Third-party assignment of writing keys

Delete paragraph 3 and replace it with:

The write key assigned to the number "8" prints a column mark (vertical line or colon) in the direction of the lower writing edge in continuous function mode.

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Bulletin Boarding:

Tabulation with vertical bar

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Tabulation with column marking

now according to paragraph 8

However, if the last digit of your column of numbers ends at the set tab stop, then you must set the column marker using the corresponding write key with the vertical bar or colon.

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now according to paragraph 1

When writing manually, the end of storage is signaled by the message ***0B*** in the display.

You can now write about 100 characters, after which the message ***09*** appears on the display. I.e. the absolute end of the storage space has been reached. You can continue writing, but the data will no longer be saved.

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Delete rule 10

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SUPPLEMENT to the operating instructions

Electronic Memory Typewriter

Page 17

A Commissioning

When first starting up the typewriter or after a longer period of inactivity (more than 17 days), the "CL" key must be pressed when switching on the typewriter until the carriage search begins. A general deletion is carried out and the message xxxQQxxx appears in the display. After pressing the

Stop button the machine is ready for operation.

Unpacking instructions**Electronic Typewriter ESM series**

1. Remove the accessories (see below) located on the top (2) and open the top part (1) of the packaging
2. Remove the front insert (4) from the packaging; remove the paper system (8) from the front insert
3. Remove the machine with the foil bag from the packaging Remove the machine from the foil bag
4. Lift up the cover (5) of the machine. Remove the cardboard safety device inserted to the right of the print carriage from the machine. Disengage the print carriage safety device (6) (red plastic lever on the right under the print carriage) by pulling it up firmly until it clicks into place (approx. 8 mm).
5. Pull out the safety element (7) for the pressure unit upwards.
6. Using the insertion aid (9), loosen and remove 2 cylinder screws with washers (marked red).
7. Turn the lock (10) (red swivel knob) anti-clockwise to swivel the print carriage motor in; close the cover (5).

Attention: The tow cable must not be kinked!

8. Connect the appliance connection cord to the machine at the rear left.
9. Switch on the machine (see operating instructions point 1); the print carriage moves to the centre; open the cover (5).
10. Insert the type plate, put on the lift-off ribbon and ribbon cassette (see operating instructions points 6 and 7 or 8), close the cover (5).
11. Place the paper feeder (8). Figure 3
12. Your machine is now ready to write and you can start using it according to the operating instructions.

Accessories:	1 device connection cord	1 dust cover
	1 ribbon cassette	1 cleaning set
	1 Lift-off-Band	1 instruction manual
	1 type plate	1 test certificate
	1 insertion aid (in cleaning set)	

If the goods are reshipped, the safety elements must be put back into operation.

Memory operating instructions

Memory on:	XXX	press	Lamps flash
Exit memory:	XXX	press	Lamps off
Retrieve memory	XXX	press	

Correction for memory operation

Correction within the line:

Use the correction key to correct everything from the back until you reach the error (de and overwrite again)

Off-line correction:

Correction is made in the transcript!

Use the RELOC key to stop shortly before the fence, use RELOC in single step until approach the error and overwrite it again.

The line format must match the original.

After the correction, the transcription should be continued with XXX.

Memory expansion

Procedure as for correction outside the line:

Stop with RELOC shortly before the end of the write, move to the end and extend the memory contents with Continue Writing.

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VEB Robotron
Optima Büromaschinenwerk Erfurt
DDR – 5010 Erfurt, Mainzerhofplatz 13
Exporteur: Robotron Export – Import
Volkseigener Außenhandelsbetrieb
der Deutschen Demokratischen Republik
DDR – 1080 Berlin, Friedrichstraße 61