

# ELVIS - e

Inkprint – Display – Device  
for ELOTYPÉ 4E



blista brailletec

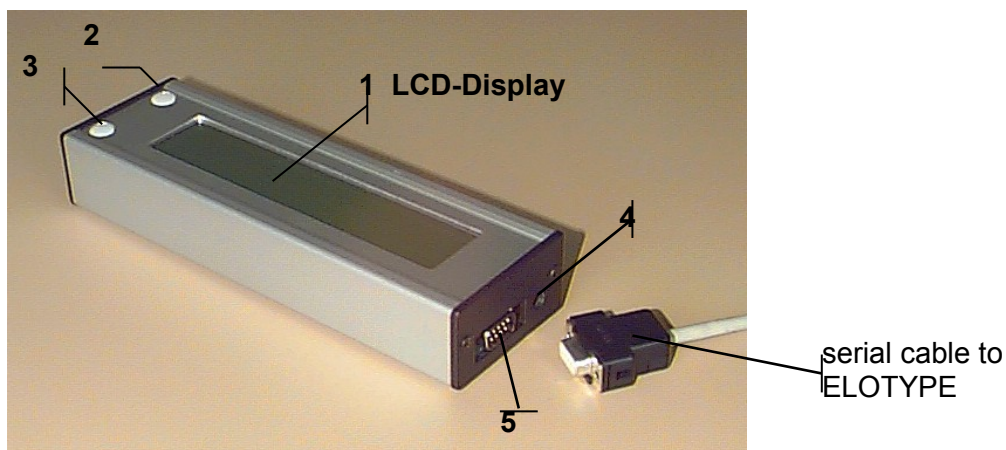
## Instructions for Use

Date: August 1999

# ELVIS-e

## Schwarzschrift – Anzeige - Gerät

ELVIS-e is used for fast and simple display of text in print previously written in braille on the Elotype.



### Displays, Connection Sockets and Controls

- 1 LCD 4-line display with 40 characters each
- 2 Key 1 scrolls the text towards the beginning
- 3 Key 2 scrolls the text towards the end
- 4 Connection Socket No. 4, power supply socket for ELVIS-e (for use with optional power adapter only)
- 5 Socket No. 5, 9-pin SUB-D connector for connecting the Elotype

## Power Supply and Connection of ELVIS-e to the Elotype

### Alternative 1:

You have purchased ELVIS-e together with a new Elotype and the pertaining serial connection cable.

Using the included serial cable, connect the Elotype to ELVIS-e via connection socket No. 5. In this case no extra power supply is required.

### Alternative 2:

You have got ELVIS-e later which should be connected to your previously purchased Elotype.

In this case ELVIS-e comes with a small power adapter. Using the included serial cable, connect the Elotype to ELVIS-e via connection socket No. 5. Insert the 5 mm diameter Jack of the power adapter into the connection socket No. 4 on the side panel. The power adapter should be plugged into a 230 V wall receptacle.

## Start-Up of ELVIS-e

After the Elotype has been turned on or the ELVIS-e power adapter plugged in, the following start-up message appears for approximately 1 second:

```
* ELVIS-d *
*** Brailletec ***
```

ELVIS-e is now ready for use. Any character embossed on the Elotype is now simultaneously displayed on the ELVIS-e LCD.

When received from the factory and turned on, ELVIS-e displays the following text which was written in the memory during the final test. This text will be overwritten below by the Elotype.

```
*** Elvis-D Endtest. Datum 09.08.99 ***
-----
ABCDEFGHIJKLMNOPQRSTUVWXYZ1234567890----
abcdefghijklmnopqrstuvwxyz!"$%&/()
```

## Instructions for Use for ELVIS-e

ELVIS-e has three different modes.

- Display - Mode
- Scroll - Mode
- Menu - Mode

### Display - Mode

In the Display Mode, you can see a blinking cursor. New text written on the Elotype is inserted from the cursor position.

ELVIS-e has a memory size of approximately 2000 characters (two fully written braille pages or so).

Any characters entered are saved in memory and will not go lost even if ELVIS-e is disconnected from its power source for a longer period of time. If the memory is fully written, each additional character entered deletes a character from the beginning of the text. A line has a length of maximum 40 characters. If more than 40 characters per line are sent from the Elotype, the Display shows the additional characters in the next line. Such a line with the "rests" of a too long text line will be marked with a filled rectangle located at the beginning of the line.

### Blätter - Modus

While writing with the Elotype, ELVIS-e always shows the last four lines of text on the four-line display. To look through the previously entered text, scroll the text (back) or (forth) by four lines using key 1 or key 2.

Each time a key is pressed, the current number of the top line and the total number of lines are displayed for approximately a half a second for easy identification of line location in the text. Example: 12 / 25 (the top line on your current ELVIS display corresponds to the 12th line of a total of 25 Text lines). Pressing a key for a longer period of time scrolls the text with faster speed in the corresponding direction. In the Scroll Mode, the blinking cursor block will be invisible. Embossing any character on the Elotype while in Scroll Mode moves the display to the end of the text and automatically returns ELVIS-e to the Display Mode.

## Menu - Mode

The Menu Mode allows to perform special functions for ELVIS-e. The Menu Mode is invoked as follows:

Keep keys 1 and 2 simultaneously depressed while turning ELVIS-e on (by turning the Elotype on or plug-in of the power adapter) until the following text appears after the start-up message:

```
*** Menü ***
```

```
Ende Neu Ser1 ---- - - - - - - - - - - - - - - -
```

The blinking cursor block is located on the first menu item. Pressing key 2 (for approx. 0.5 seconds) causes the cursor to move to the next menu item. Pressing key 1 (for approx. 0.5 seconds) causes the cursor to move to the previous menu item. Pressing the two keys simultaneously performs the corresponding menu function.

### Menu Mode Functions:

- **Ende** Leaves the Menu Mode and allows to continue to work normally.
- **Neu** Deletes the entire buffer (text in memory) and the text can no longer be recovered. Then ELVIS-e returns to the Display Mode.
- **Ser1** Menu item for servicing purposes. The display shows only the key codes of the characters entered from the Elotype. These characters are not saved. The text previously written in memory remains unchanged. This mode can only be left after ELVIS-e is turned off.
- **----** Free for subsequent extensions

## Restrictions:

Only printable characters are shown on the ELVIS-e display.

- Capital and small letters
- Digits
- punctuation marks and special characters, such as:  
. , ; ! ? ' " \* + - / ( ) { } \ @ # > < \$ ~%

Some key entries from the Elotype are ignored by ELVIS-e and not displayed.

For example: Embossing head movements without embossed characters, paper movement, pressing of the backspace key, tab set and movement of the embossing head to tab position.

## Specifications:

- Memory Size: approx. 2000 characters (two fully written Elotype pages)
- Serial interface: RxD and TxD no Handshake.  
9600 Baud, 8 Data Bits, 2 Stop Bit, Parity none.
- Power supply: 8-14 volt (with adapter or from Elotype)
- Power consumption: approx. 90 mA
- Size: 200 \* 65 \* 36 mm
- Weight: 460 g
- Connection of ELVIS-e to the Elotype with special cable only.