

Code: FG-40

CHARACTER GENERATOR OSD FG-40Net: **73.04 EUR** Gross: **73.04 EUR**

The FG-40 device allows to read the data sent to fiscal printer and display them in the image from CCTV cameras. In view of video signal, the FG-40 is loop-through device with PAL video signal input and output. It enables displaying an image from CCTV camera together with a list of registered products on shop sales stand of the fiscal printer. The device can be used as an extra protection of the sales stand. Allows to control the issued products in accordance with receipt.

In addition the FG-40 can work in character terminal mode and display all character strings received from controlled device. An example can be displaying the weight, temperature, etc., from any sensor equipped with the RS-485 interface.

Device can also display the cross on the screen, it means a vertical and horizontal line with set shade of gray and coordinates. The cross generator is useful in various manufacturing processes, where there is a need to control the position of the processed material.

The FG-40 has also a possibility to display any scrolling vertical or horizontal text (Scrolling Text), saved in non-volatile memory inside the device. The text displayed on the camera image can be presented as commercial promotion or hotel information.

**SPECIFICATION**

Standard:	CVBS - PAL, NTSC
Number of video inputs:	1 x BNC socket
Number of video outputs:	1 x BNC socket
Range RS-485:	1200 m
Video signal amplification:	0 dB
Maximal number of characters in one line:	40
Maximal number of lines:	22
Maximum number of characters on the screen:	880
The ability to change font size:	—
The ability to change the position of the titles:	—
The ability to firmware upgrade:	✓
Possibility to add new protocols:	✓
Keyboard lock:	✓
Cross generator:	✓
Vertical scroll:	✓
Horizontal scroll:	✓
Power supply:	12 V DC / 200 mA (power adapter not included)
Support:	<ul style="list-style-type: none"> • printers compatible with POSNET, THERMAL, THERMAL (pharmacy) protocols • cash registers compatible with POSNET ("operations monitor" mode) • fiscal printers compatible with ELZAB, ELZAB (pharmacy, cash stand) protocols • NOVITUS, NOVITUS (pharmacy) fiscal printers • fiscal printers compatible with UPOS protocol • Alcotector fiscal printers • Soehnle-professional fiscal printers • other fiscal printers based on above protocols • money counters (eg.: Detectalia NEWTON), SORTER mode
Operation modes:	<ul style="list-style-type: none"> • character terminal mode and hexadecimal displaying • cross displaying mode • auto scrolling mode (scroll) of the text saved in FLASH memory

Weight:	0.1 kg
Dimensions:	100 x 62 x 28 mm
Guarantee:	2 years

PRESENTATION

Front panel view:



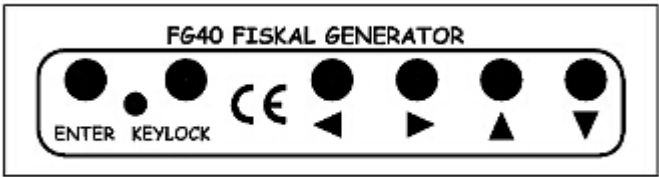
Rear panel view:



Top view:

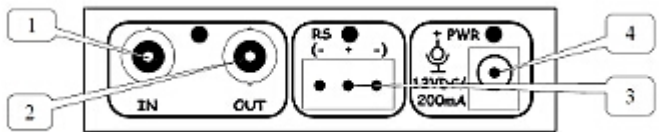


Front panel description:



The device configuration and work mode selection is made by 6 OSD menu control keys, visible after connection the device to the receiver. The arrow keys enable change the OSD menu positions, the "ENTER" key enables change the selected parameter value and sub/upper menu selection. The "KEYLOCK" key enables lock/unlock the keyboard to avoid accidental configuration changes

Rear panel description:



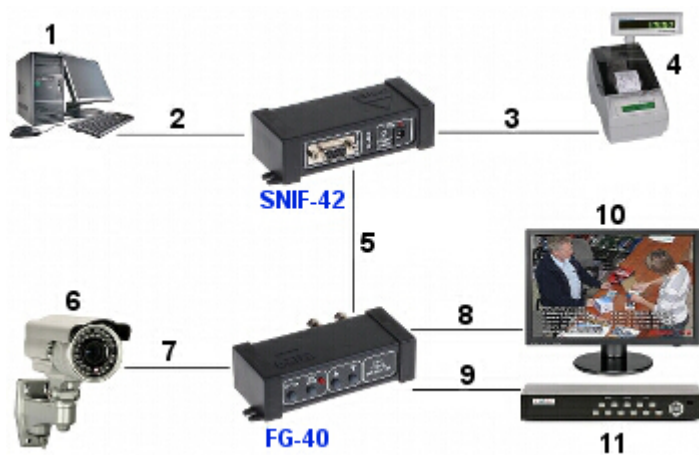
- 1) Video input
- 2) Video output
- 3) RS-485

4) Power supply

Description of the connecting to the fiscal printer:

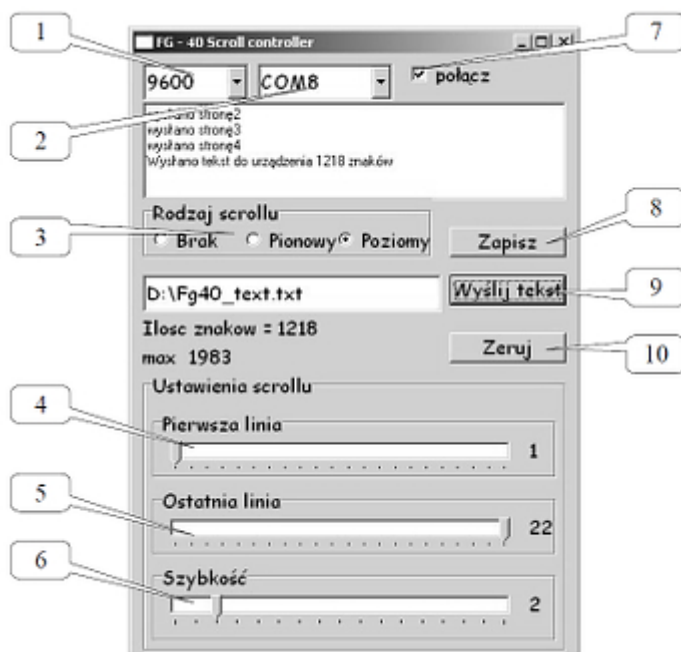


- 1) Computer
- 2) RS-232 (printer cable)
- 3) fiscal printer



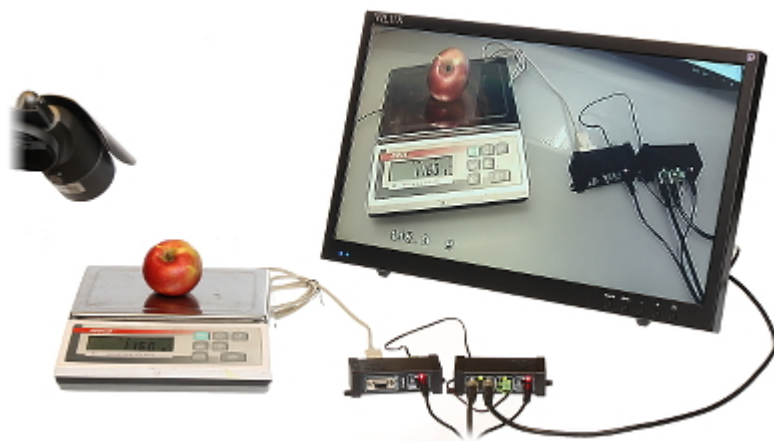
- 1) Computer
- 2) RS-232 (1:1 extension cable)
- 3) RS-232 (printer cable)
- 4) fiscal printer
- 5) RS-485
- 6) Camera
- 7) Video signal
- 8) monitor or recorder
- 9) Recorder or monitor
- 10) Monitor
- 11) Recorder

FG-40 Scroll Controller software screenshot:



- 1) Port baud rate selection (baud rate must be the same as set in FG-40)

- 2) COM port No. to which is connected the device
 - 3) Scroll mode selection
 - 4) The upper limit of display for vertical scroll and the height of text position for horizontal scroll
 - 5) Lower limit of display for vertical scroll
 - 6) Text scrolling speed
 - 7) Connection with the device
 - 8) Saving the parameters in EEPROM memory of the device
 - 9) Selection and sending the text
 - 10) Screen refresh
- Configuration with using a scale:



Example of application:

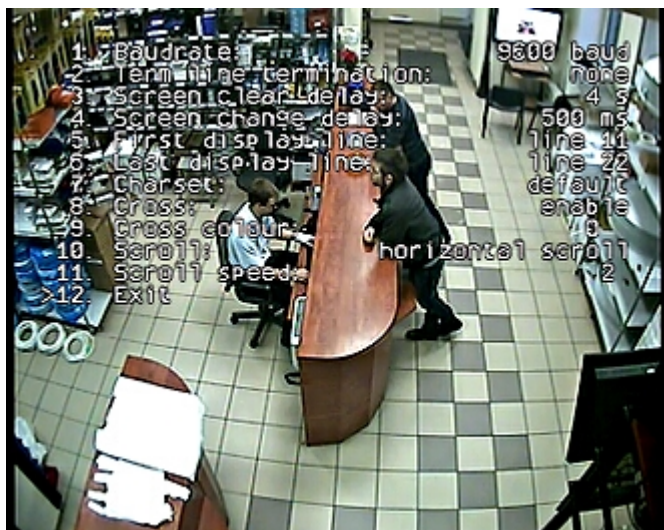
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Example screenshots:

Main menu:



Options menu:



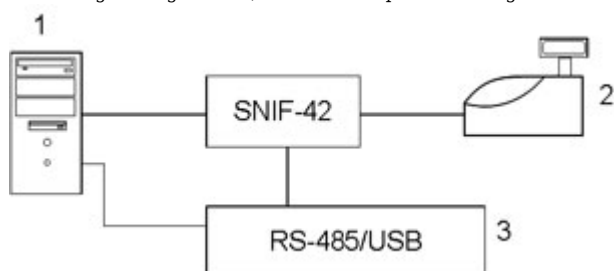
Receipt screenshot:



Cross generator:



The data grabbing manual, to add a new protocol using the "Terminal" application:



Connect the system according to below scheme diagram. The SNIF-42 device should be connected to the transmission line between computer and the fiscal printer, without interfering with the fiscal printer. The SNIF-42 has the RS-485 signal output, which is normally connected to the FG-40

1. Computer
2. fiscal printer
3. Converter between serial transmission interfaces of standards USB and RS-485

[illegible]

Now mark all hex mode captured characters and copy them „ctrl + c”

PACKAGE

Dimensions (L x W x H): 0x0x0 mm	Gross Weight: 0 kg
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