

# Gefran Software



## Applications

- Parameterisation of Gefran devices (Instrument, Drives, Sensors)
- Tuning of control parameters with on-line tests and Trends
- Management of parameter archive for multiple configuration

## Characteristics

- Guided selection of products
- Simplified setting
- Multilanguage
- Printing of parameters
- Creation and saving of recipes
- Autoscan of network

## Profile

GF\_eXpress is the software for configuring/parameterising the components, automation products, drives and sensors in the Gefran catalogue. Selecting and parameterising the instrument is easy and intuitive thanks to a graphic interface, with devices divided by type and function.

The product to be parameterised is selected by means of a context menu and with visual selection by means of real images of the product.

This lets you have a single device library for all Gefran products.

The available product groups are:

### Instruments

| Controllers | Geflex  | Indicators  |
|-------------|---------|-------------|
| 1000 series | Geflex  | 2000 series |
| 2000 series | GFX-OP  | 4 series    |
| 800 series  | GFX4    | 40 series   |
| 600 series  | GFX4-IR |             |
| 400 series  |         |             |

### Drive

| DP Converter | Lift          | Inverter | Servodrive |
|--------------|---------------|----------|------------|
| TPD32        | ADL200 series | ADV200   | XVy        |
|              | AGyL          | ADV20    | XVyA       |
|              | QxL           | ADV50    |            |
|              |               | AGy      |            |
|              |               | QUIX     |            |
|              |               | AFE 200  |            |

The adoption of XML format for describing the configuration data of each device makes it easy to expand the catalogue and its parameters.

The selected product can be configured:

- by exploiting a sub-set of defined parameters
- by using a guided graphic interface with context menu

The creation of custom parameterisation menus with a limited sub-set of data is provided to improve and increase the effectiveness of device configuration.

GF\_eXpress is based on HTML technology. Its graphics and contents are intuitive and easy to use.

Multilanguage support is provided for the interface and description of configuration parameters.

The use and support of UNICODE format for multilanguage management allows integration of languages that use special characters (Chinese, Korean, Russian, etc.).

GF\_eXpress also provides the following functions:

» **Autoscan**

Configuration of parameters for connection to the device for parameter downloading can be done manually or with autoscan.

The Autoscan function automatically searches for the device connected to the development PC, sending serial commands that identify the communication type and parameters.

» **Monitor Window**

By activating the connection with the device, you can display the value of each parameter in real time on the configuration pages.

In addition to value display, the Monitor Window function lets you change parameters in real time.

» **Recipes**

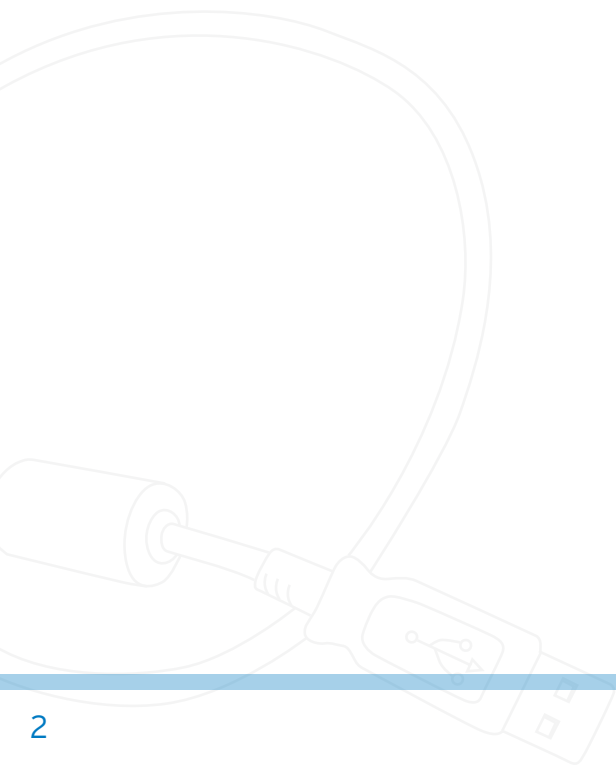
Saves and files a list of parameters. This function lets you manage identical configurations on different devices or transmission of configurations among different users.

» **Oscilloscope**

Monitors up to 8 curves simultaneously. The reference value on the displayed curve can be selected from all available variables in the selected device.

» **Print**

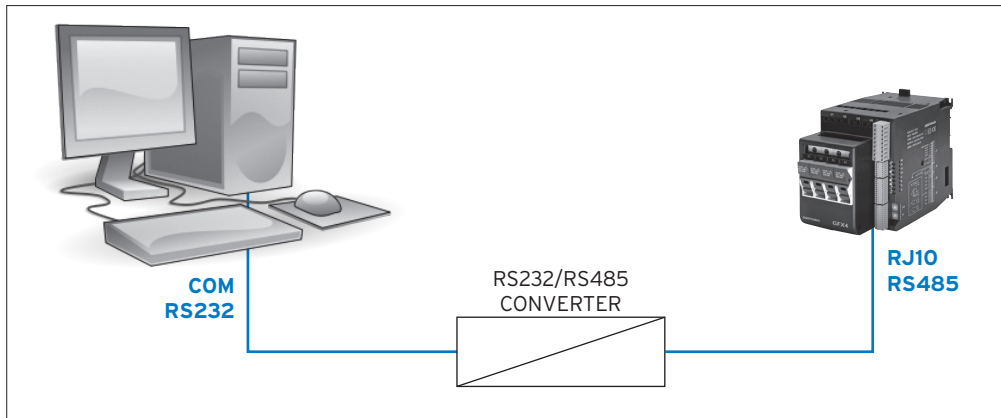
Prints the displayed or selected variables. The Print function includes a preview.



## Connections

There are two types of connection between configuration PC and the device. The connection type is based on the type of device used.

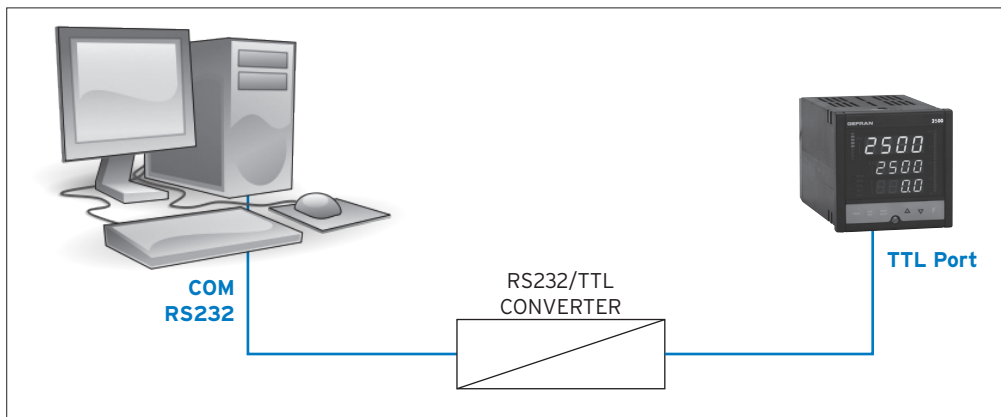
### 1. RS485 connection for Geflex devices (GFX, GFX4, GFXTERMO4)



This connection requires a RS232/RS485 converter and connection cables for connection between the PC on which GF\_eXpress is installed and the device to be configured.

For these connection type is available the kit (sw, cables, converter) code GF\_eXK-0-0-0

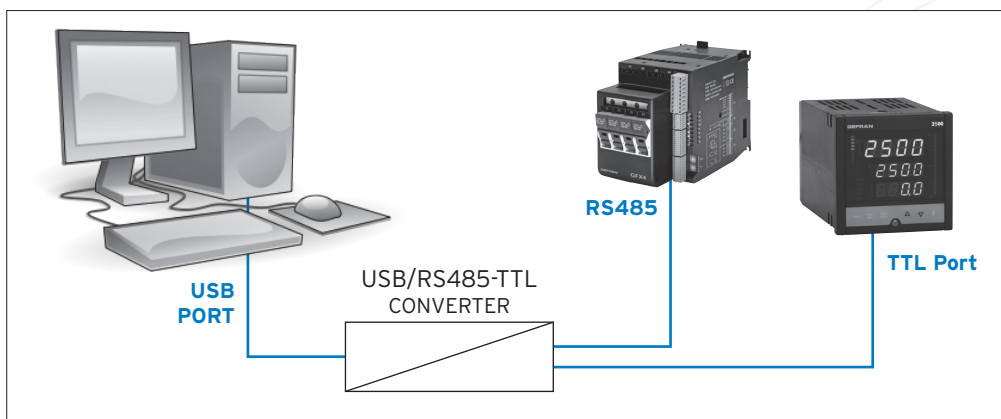
### 2. TTL connection (Controllers, Indicators)



This connection requires a RS232/TTL converter and connection cables for connection between the PC on which GF\_eXpress is installed and the device to be configured.

For these connection type is available the kit (sw, cables, converter) codice GF\_eXK-1-1-0

### 3. RS485/TTL connection from USB PC



This connection requires a USB/RS485-TTL converter and connection cables for connection between the PC on which GF\_eXpress is installed and the device to be configured.

For these connection type is available the kit (sw, cables, converter) codice GF\_eXK-2-0-0

## Order code

|         |                     |   |
|---------|---------------------|---|
| F043956 | <b>GF_eXK-0-0-0</b> | GF_eXpress software on CD-ROM, complete with RS232/TTL converter cables for PC-Instrument connection.               |
| F043957 | <b>GF_eXK-1-1-0</b> | GF_eXpress software on CD-ROM, complete with RS232/RS485 converter cables for PC and Geflex connection.             |
| F049095 | <b>GF_eXK-2-0-0</b> | GF_eXpress software on CD-ROM, complete with USB/485/TTC converter cables for PC, Geflex connection and Instrument. |

## Technical Data



### Operating system

- Windows 2000
- Windows XP
- Windows 7

### Minimum PC configuration

- Pentium CPU
- RAM 512 MB
- Available hard-disk space > 200 MB
- min. VGA graphics card (1024x768)
- N. 1 RS232 serial port
- N. 1 Ethernet port
- DVD drive

### Supported communications

- Serial communication with device (SLINK3, CANopen, Cencal, Modbus protocols)
- Ethernet communication with Modbus TCP devices