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Instrument manager

User manual

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1. Introduction

To make a microclimatic calculation you need to take the environmental parameters measurement and record them in *Gidas* database.

The *Instrument Manager* is a short version of *3DOM* program which simplifies the management of your measurement instrument for microclimatic calculations optimized for the use of LSI LASTEM M/R-Log instruments using the automatic recognition mode. Only *GidasTEA* program can start up the program (see *GidasTEA* guide for further information, available on LSI LASTEM product's DVD MW6501).

You can use the *3DOM* program for further operations on the instrument or configurations.

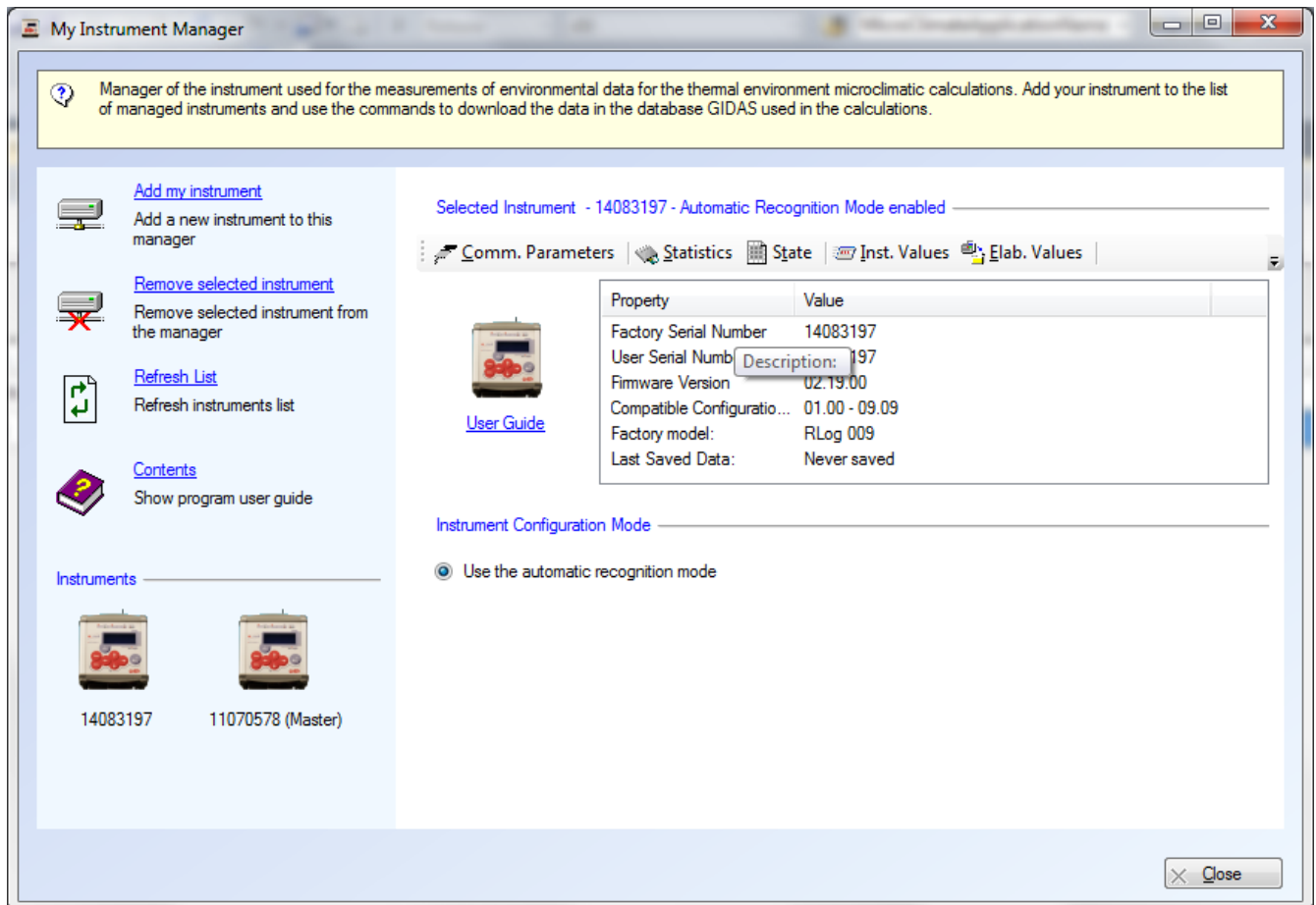
2. System requirements

The program has the same hardware and software requirements of *GidasTEA* and *3DOM* programs.

3. Program use and description

3.1. General description

The main window of the application appears as follows:



On the left side you find the list of instruments managed by the program, while on the right you can see the description of the selected instrument and the available configurations.

The following operations are available on the selected instrument:

- Modifying the communication parameters.
- Viewing statistics and instrument status.
- Viewing the instantaneous values.
- Saving all elaborated data in the *Gidas* database used by *GidasTEA* program.
- Importing data downloaded from the instrument to binary file on the *Gidas* database used by *GidasTEA* program.
- Viewing the quick guide to instrument use.

The program uses the automatic recognition mode so once sensors are connected to the instrument the user can start to download elaborated data.

To create and send to the instrument a specific configuration, configure different supports for data storage (e.g. a text file) or to operate more complex functions You need to use *3DOM*.

3.2. Adding a new instrument

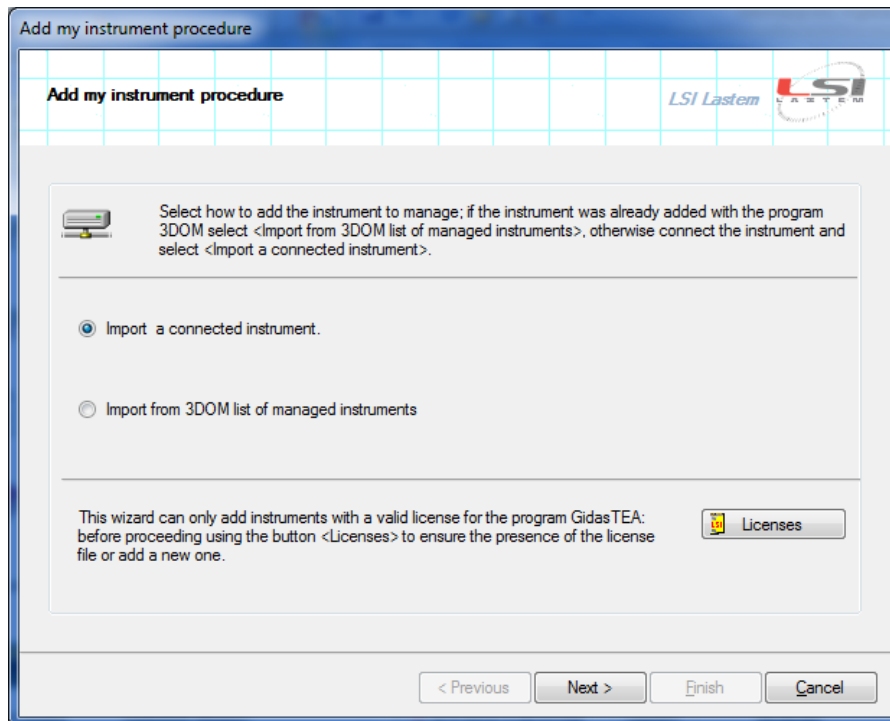
To manage your instrument is necessary to add it to the list of instruments managed by selecting the *Add instrument* command.

In order to be able to add an instrument you must previously install the *GidasTEA* license relative to the instrument; for further information please see the *GidasTEA* program user manual.

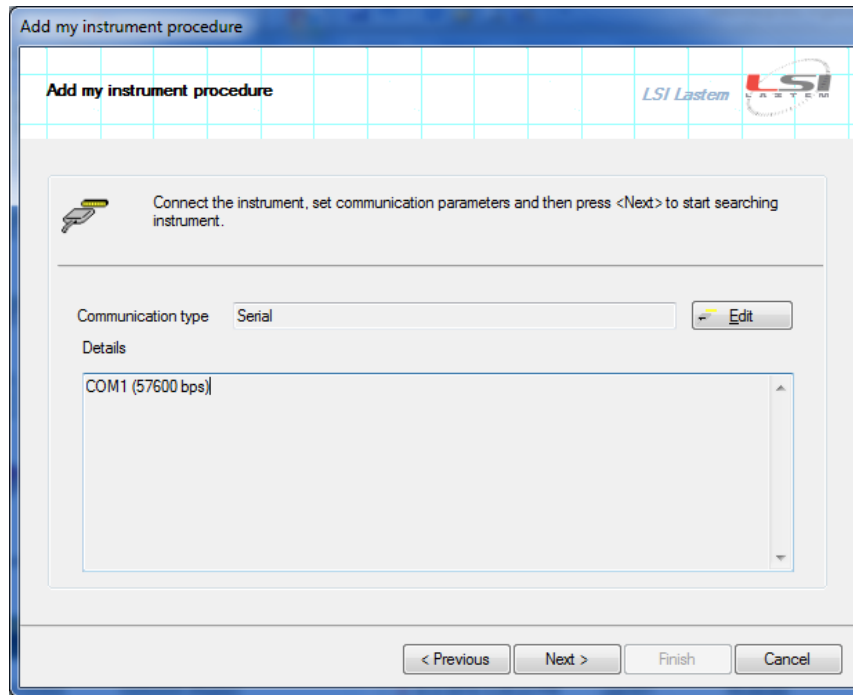
It is possible to add an instrument already configured with *3DOM* program or never configured before connecting it to the computer and setting the communication parameters following the guided procedure.

WARNING:

This program DOES NOT SUPPORT data download from HeatShield instruments. To use data recorded by an HeatShield instrument use the program HS Manager.



(Select the mode to add a new instrument)



(Setting communication parameters for searching)

Once added to the managed instruments list, the program generates all the useful configurations for microclimatic calculations (present as configuration samples in *3DOM* program) and visualizes them in the configurations list. In case of R/M-Log class instruments, the program identifies the instruments to be used as Master or as Slave.

The last form of the wizard allows input of the radiometer calibration factors. In this case the generated configuration are automatically updated with the calibration factors of the radiometer (found on the accompanying certificate). If you do not have a radiometer you can skip this part of the wizard.

Add my instrument procedure

If you have a radiometer enter the calibration factors found in the accompanying document

Setting the calibration factors of the radiometer

Calibration factor for negative signal output; it can be found on its calibration certificate; in absence of it, the value for positive signal output can be used

Negative signal C.F.

Calibration factor for positive signal output; it can be found on its calibration certificate

Positive signal C.F.

< Previous Next > Finish Cancel

(setting the radiometer calibration factor)

WARNING:

When using Instrument Manager and 3DOM program at the same time, it might be necessary to update mutually both visualizations. E.g. If you add a new instrument to 3DOM, to see it in the Instruments Manager guided procedure you need to select the Update command.

WARNING:

The present program version cannot support modem communication

3.3. Downloading the measured data

To download the measured data from the instrument, you must select it from the list of managed instrument and connect it to the computer, then press the <Val.Elabor> button.

Data will be saved in the *Gidas* database used by the *GidasTEA* program and in any other storage support eventually set in the *3DOM* program.

3.3.1. Importing binary data

This mode, similar to the one present in 3DOM allows to save in *Gidas* database and in all other supports eventually set in the *3DOM* program (storage media for binary files) or by *ElogManager* program available on movable device.