tecnosoft
WE DELIVER DATA

Software and Interface

DiskInterface HS

Universal Multibay

- Easy to use
- Status LED
- Shows battery status on software when logger is connected

Computer USB reading bay for high temperature, humidity and pressure data loggers.

DiskInterface HS (High Speed) is the connection bay used for downloading data and programming all models of high temperature data loggers, included the models for pressure (PressureDisk). There are also the DiskInterface HS Mini (for SterilDisk) Universal Multibay (all models). It allows the communication between the data loggers and its management programs, SPD, TS Manager.

Multiple bay for high temperature, humidity and pression data loggers.

Universal Multibay is the multiple connection bay used for downloading data and programming all models of high temperature data loggers, included the models for pressure (PressureDisk). It allows to connect up to 5 data loggers of each supported model to be programmed and downloaded at the same time. It allows the communication between the data loggers and its management programs, SPD, TS Manager.

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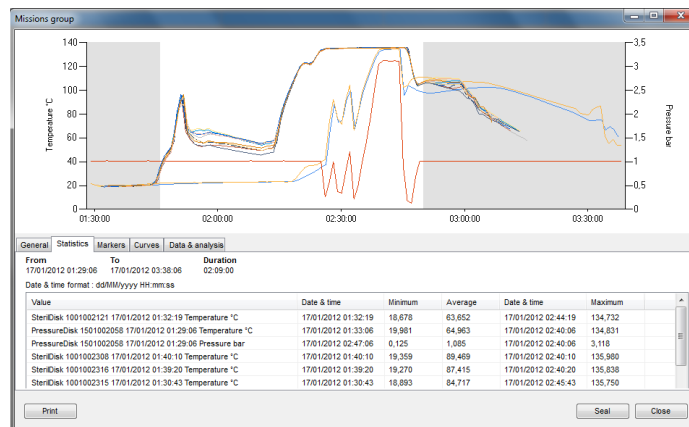
ECE
Temperature
made simple

The system

The system is made up by:

- Data logger
- DiskInterface HS or Universal Multibay
- SPD software or TS Manager software (compatible with the FDA 21 CFR Part 11, Annex 11, GAMP 5 regulations)

TS Manager:

Management software, that meets all requirements of FDA 21 CFR Part 11 regulations. Validation, certification and qualification, mapping and everyday use software that supports all Tecnosoft data loggers. From thermal process validation to warehouse mapping, TS Manager is the most powerful tool that offers a wide choice of functions and options for the analysis and reporting of data. The software can be downloaded via TecnoUtility and works only with its **hardware protection key**.

Technical specifications:

- *Operating systems*: Windows 10, 11 (32, 64 bit)
- *Regulation compatibility*: FDA 21 CFR Part 11
- Data management: Client/server database with single missions, groups, customers, instruments, devices, programming profiles
- *Data display*: Graph (with zoom) and table (exportable into Excel and HTML), markers for process start and end, printed report of all the data, Multi graph
- *Customizable parameters*: Acquisition step, mission duration, analyse type (lethality with Z and reference temperature values setting, Overkilling for validation)
- *Calculated parameters*: Lethality (F0, PU. A0 etc.)
- *Accessories*: DiskInterface HS Mini/ DiskInterface HS/Multibay universal
- *Languages*: Italian, English, German

Main features of TS Manager:

- **Data** in the devices **not editable**
- Data in software not editable and encryptable
- Access for each user through **login and password**
- **Client/server** setup and shared database
- **Multi-user** access
- **Multi-level** users, with different functions for each one
- **Customers and validated Instruments** database for validators activity
- **Audit Trail**: recording, not editable, of all carried out operations
- Data analysis through pre-set or customizable parameters
- Possibility of pre and post mission comments
- Visualisation in graph, with zoom, and table
- **Multi graph** analysis
- Graph divided into **Sections** with analysis and statistics for each section
- **Synchronized data** table with statistics for each acquisition: maximum, minimum, average, maximum-minimum, maximum-average, average-minimum
- **Theoretical temperature** calculation based on pressure in saturated steam environment
- Conversion from absolute to relative pressure
- **Lethality chart** in missions and groups
- Print of customizable **reports**
- Data and reports export in HTML and XLS (MS Excel) format

The functions you find in the **Pro version** are:

- Setting the maximum number of wrong password attempts
- Ban time for users who have entered the wrong password too many times
- **Data encryption**
- Automatic check of data integrity, even before the mission or group is opened and much more

High temperature data loggers' management software for computers.

It allows to start the devices setting the start delay, mission and duration

Supports DiskInterface HS Mini, DiskInterface HS, Universal Multibay and USB Radio Receiver. Downloadable from Tecnosoft website and included with the interfaces.

It's easy to use, intuitive and full of options. It allows to start the devices setting the start delay, mission duration, notes. After download data are then displayed on graph, with zoom function, and table, exportable in Excel. A multi-graph function is also present to display many curves on a single graph.

It is possible to put two vertical markers (lines) to highlight a particular area of the process, giving a name to the markers too: for example, it is possible to select the begin and the end of the process, or a particular phase of it, calculating the lethality value for that portion only.

The software calculates the lethality value (F_0, PU, A_0 etc.) of the process to evaluate the level of sterilisation or pasteurisation. In the configuration window it is possible to set the parameters, such as Z and reference temperature, for the lethality calculation according to the process you want to monitor. The software, moreover, allows to print complete reports with graph, data table, device serial number, and other notes added by the user. It is also possible to see the battery status of the connected device.

The software allows to print complete reports with graph, table, mission data, serial number of the device and notes. It is also possible to check battery status on screen.

A special feature gives the possibility to set a stop time for the mission: you can program the logger to automatically stop acquisitions after a certain period expressed in seconds, minutes, hours or days.