



SterilDisk and PasteurDisk

High temperature data loggers, for sterilization and pasteurization processes

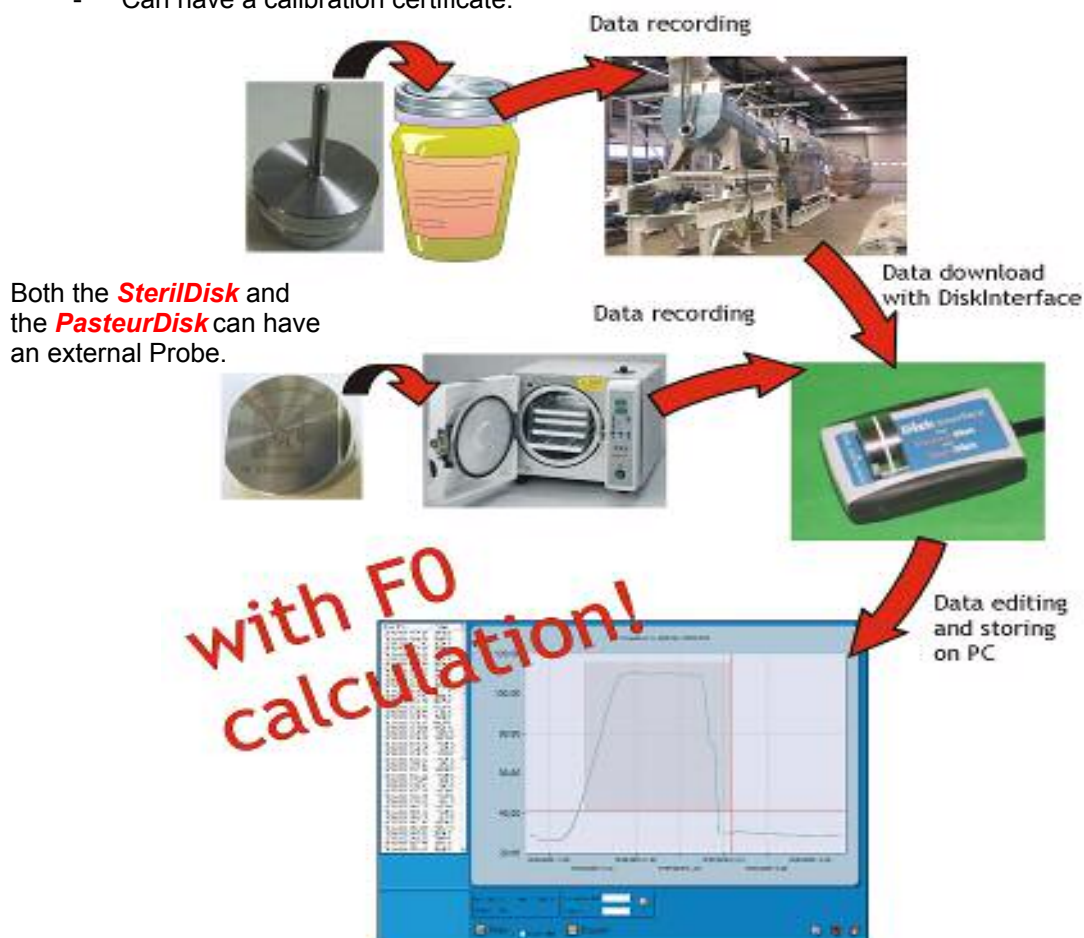
Temperature monitoring during the sterilization and pasteurization processes is now an easy, accurate and low cost task for anyone. The **SterilDisk** (140°C) and **PasteurDisk** (100°C) data loggers are the solution for any food producer, pharmaceutical company and laboratory of analysis.

Features

- High accuracy and precision.
- Compact and available in two versions: Disk and with Probe.
- Completely food grade and waterproof.
- Printed reports can be used for health regulations and ISO compliance.
- F0 calculation and possibility to customize parameters.
- Can have a calibration certificate.

Applications

- temperature monitoring in autoclaves for sterilization.
- temperature monitoring in pasteurization tunnels.
- temperature monitoring directly in contact with the product.





PressureDisk

High temperature data loggers, for sterilization and pressure based processes



PressureDisk

The PressureDisk is a data logger for temperature and pressure monitoring, in particular in autoclaves. Operating in an ambient temperature up to 140°C it can be provided alone or in a kit with the TS Manager software, compatible with FDA 21 CFR Part 11 regulations, and one or more temperature loggers (the software can manage all of your devices). It can log up to 140°C / 5 bar and be used for temperature and pressure mapping. All devices are manufactured from food grade material and are submersible for use also in the food industry.

PressureDisk is rugged and has a user replaceable battery that can work for many sterilisation cycles; the temperature sensor is in a radially mounted probe while pressure is through a threaded insert that can be screwed into standard pressure ports on autoclaves.

Applications

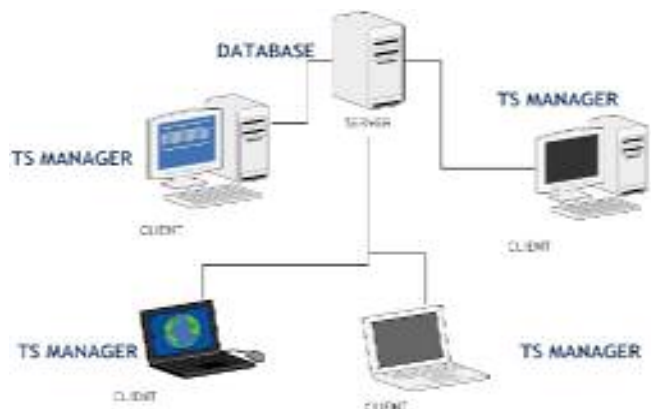
- Validation of autoclaves or other equipment that needs verification of pressure control.
- Internal pressure monitoring of food and non-food packaging during sterilisation process.
- Monitoring of sterilisation and pasteurisation processes.
- Ambient temperature and pressure monitoring.

Validation software

The TS Manager system is particularly suitable for autoclave validators. It allows management of a Customer database, with a list of each Customers equipment.

Being FDA 21 CFR Part 11 compliant it can be utilized in every monitoring and validation situation.

For example, it can be used to validate autoclaves in hospitals, in analysis laboratories, in dental practices or tattooists and piercers.



Specifications



The **SterilDisk** and the **PasteurDisk** are also available also in the Probe version, with external sensor in food grade material too.

Both data loggers may be supplied with a traceable calibration certificate.

The **SterilDisk** is also available for low temperatures.

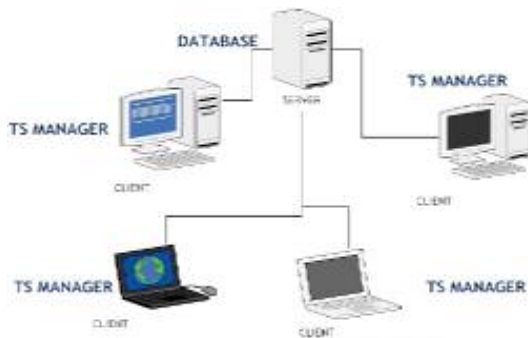


The **PressureDisk** is aimed specifically at the autoclave validation task. Combined with the TS Manager software it makes a very powerful tool particularly for the validation of small autoclaves.



SterilDisk	
Size	18 h X 36 diameter (mm) Probe: 50 h X 5 diameter (mm)
Material	Stainless steel AISI316L and resin (completely Food Grade)
Temperature range	0 °C to +140 °C (up to 10 bar)
Resolution	0,04 °C
Accuracy	± 0,3 °C with calibration certificate
N° acquisitions	15000
Acquisition interval	From 1 every second to 1 every 255 minutes
Battery life	2 years with standard use (user replaceable)
Protection degree	IP68
PasteurDisk	
Size	18 h X 36 diameter (mm) Probe: 50 h X 5 diameter (mm)
Material	Stainless steel AISI316L and resin (completely Food Grade)
Temperature range	0 °C to +100 °C (up to 10 bar)
Resolution	0,04 °C
Accuracy	± 0,3 °C with calibration certificate
N° acquisitions	15000
Acquisition interval	From 1 every second to 1 every 255 minutes
Battery life	2 years with standard use (replaceable)
Protection degree	IP68
PressureDisk	
Size	44 h X 35 dia (mm), threaded port 1/2GAS x 11mm, temperature probe: 23 h X 3 dia (mm)
Material	Stainless steel AISI316L (completely Food Grade)
Temperature / pressure range	0 °C to +140 °C / 0 to 5bar
Resolution temp / press	0,02 °C / 2mbar
Accuracy temp / press	± 0,2 °C / 15mbar
N° acquisitions	60576 (date, time, temperature, pressure)
Acquisition interval	From 1 every second to 1 every 255 minutes
Battery life	2 years with standard use (replaceable)
Protection degree	IP68

Software



SPD Software	
Operating Systems	Windows 2000, XP, Vista
Data management	Missions sorted by start date and logger serial number
Data display	Graph (with zoom) and table (exportable into Excel) and report of all the data printing
Multi Graph Display	<u>Two or more missions can displayed on a single graph</u>
Radio Feature (Radio devices only)	Shows in real time the received data, with alarms on threshold and calculation of F0 and PU
F0 and Parameters	Automatically <u>calculates the F0</u> and the Z and N parameters of the formula can be set
Communication	USB or Serial Disk Interface
Languages	English, Italian, French, German
TS Manager Software	
Operating Systems	Windows XP, Vista, 7
Data management	Database SQL client/server, data saved per mission, mission templates management, mission
Data display	HTML Report, graph with zoom and markers, table with statistics and analysis, export into
Communication	USB or Serial Disk Interface
Languages	English, Italian, French, German

