

# STERILDISK STANDARD, PROBE



High temperature data loggers, for sterilisation and pasteurisation processes

**SterilDisk** (140°C) data loggers make easy the monitoring of temperature during sterilization and pasteurization and are the solution for any food producer, pharmaceutical company and laboratory of analysis and more.

## System

The loggers can be used with two different software:

- **SPD**, for quick and simple monitoring: start the devices, do your mission, download data and analyse;
- **TS Manager**, for deep analysis and control: a **FDA 21 CFR Part 11 compatible software** with multi-level access and reports according to regulations. Designed for autoclave validation, from pharmaceutical / medical to laboratories, dentists and food.

## Versions

There are three versions available:

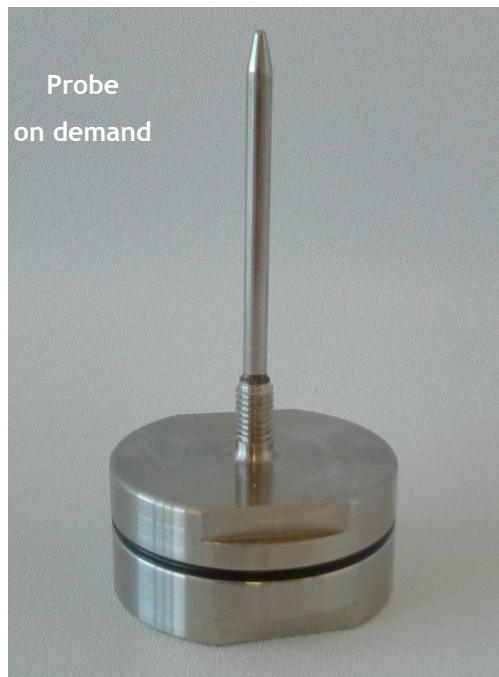
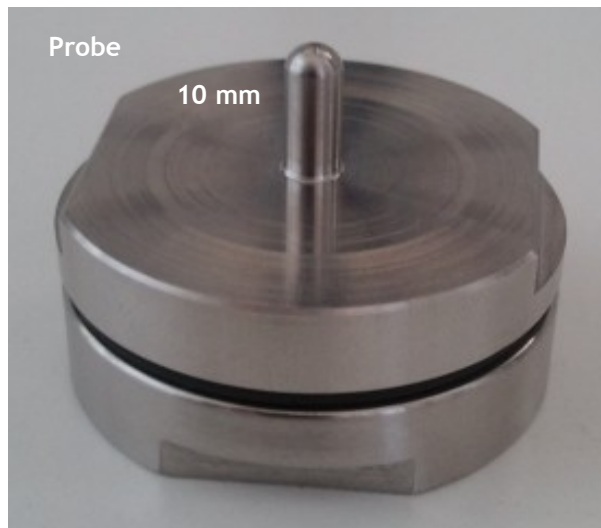
- **Standard**: simple disk;
- **Probe**: disk with external sensor of 10 mm, 4 mm diameter; length on demand, 3 mm diameter. The on demand version (maximum length 175 mm) has a threaded part (10 mm, M5) to screw the probe on different surfaces. **High response time.**

All the loggers are connected to the PC by means of the DiskInterface HS Mini and DiskInterface HS (SPD software included).



Different probe lengths give you the possibility to always **reach the core of your product** and get a fast response time, important for short processes.

Use several of these loggers to map your autoclave or pasteurisation tunnel and then to check every process you make.



## Applications

- Temperature monitoring of sterilisation and pasteurisation processes.
- Autoclave and process validation according to FDA 21 CFR Part 11 regulations.

## Pros

- High accuracy and precision.
- Completely food grade and submersible.
- Printed reports compliant with health regulations and ISO (data are not editable in the software).
- F0, PU (Pasteurisation Units) and A0 (washer disinfectors) calculation.
- Provided with **calibration certificate** Accredia traceable.
- Can be fixed to food package and surfaces with the **Fastening System** (only for Probe on demand).
- **Supports extended calibration (SterilDisk -20°C).**
- **BATTERY IS USER REPLACEABLE.**

Fields of application



Healthcare



Pharma



Dentists



Food



Laboratory

Interface Communication

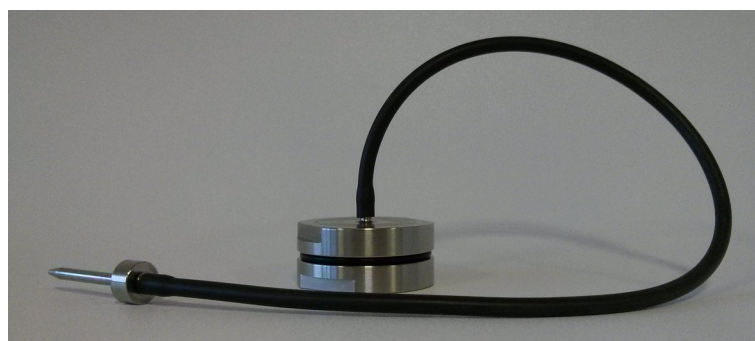
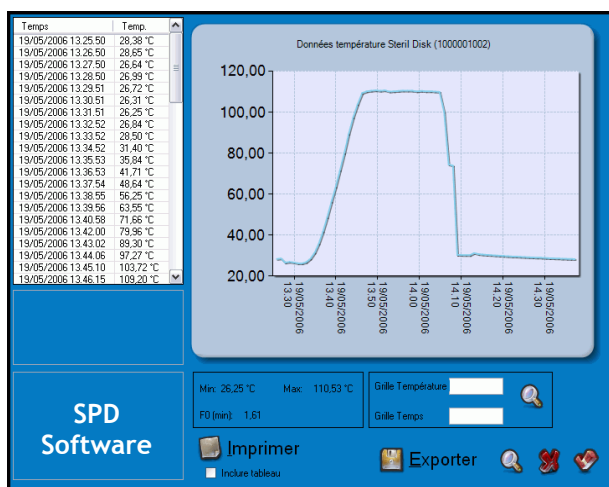
USB

## Technical features

Model	Standard	Probe
Dimensions	18 h X 36 Ø (mm)	
Probe		10 h X 4 Ø (mm) h on demand (max. 175 mm) X 3 Ø (mm)
Materials	Stainless steel AISI316L (completely Food Grade)	
Temperature range	-20°C ÷ +140°C (up to 10 bar)	
Temperature resolution	0,01°C	
Temperature accuracy	± 0,1°C (within calibration range only; standard range: 25°C ÷ +125°C)	
Number of acquisitions	20.200	
Acquisition rate	From 1 every second up	
Battery life	<b>user replaceable</b> +1.400.000 acquisitions @25°C - at high or low temperatures battery life will decrease	
Protection degree	IP68	
Communications	DiskInterface HS Mini, DiskInterface HS (SPD software included)	

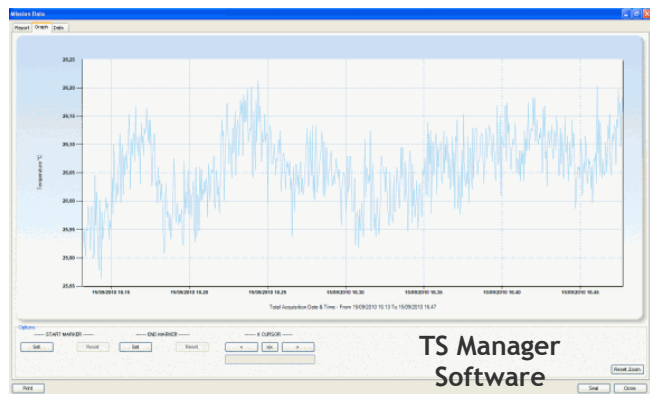
## Software

Type	SPD	TS Manager
Operating Systems	Windows XP, Vista, 7, 8 (32, 64 bit)	
Data management	Missions sorted by start date and logger serial number	Missions filtered by start date, logger type, serial number, customer/instrument validated and much more
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>	
F0 and Parameters	Automatically <u>calculates</u> the F0 and the Z and N parameters of the formula can be set	
Languages	Italian, English, French, Spanish, German	Italian, English, German



SterilDisk can be provided also with a **special flexible cable (30 cm standard) with rigid probe at the end**. There is also a metal semi rigid bendable probe version, with a metal bendable probe (length of choice) with a rigid probe (this too with length on demand) at the end of it. With the flexible probes it is possible to use these devices also in places where there is not enough space to put the logger on or inside the the product's package.

Choose the SterilDisk configuration that suits you most.





**www.esis.com.au**  
Ph 02 9481 7420  
Fax 02 9481 7267  
esis.enq@esis.com.au

**Industrial Electronics**



Tecnosoft srl  
Via Luigi Galvani, 4, 20068, Peschiera Borromeo (MI) - ITALY

Product Code:  
ts01sd/ts01sdp10/  
ts01sdp30/ts01sdpd