

# S-DISK J



High temperature data loggers, for sterilisation and pasteurisation processes and processes and autoclaves validation; with PT sensor

**S-Disk** (140°C) is the temperature data logger dedicated to the validation of sterilisation processes and autoclaves even if they can find application in a numerous other fields where high temperatures must be monitored.

## 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

The available versions are:

- **rigid probe**: logger with rigid probe of different lengths, also on demand;
  - **bendable probe**: semi-rigid metal probe, bendable, with final part rigid, of different lengths, also on demand;
  - flexible probe: flexible cable with final part rigid, of different lengths, also on demand;
- All the loggers are connected to the PC by means of the DiskInterface HS (SPD software included).

Different probe lengths and different types of probe give you the possibility to always **reach the exact monitoring point**, even inside very small packages and containers 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 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 (NIST equivalent) traceable.
- **Supports extended calibration** (- 20°C).
- **BATTERY IS USER REPLACEABLE.**



Fields of application



Healthcare



Pharma



Dentists



Food



Laboratory

Interface Communication

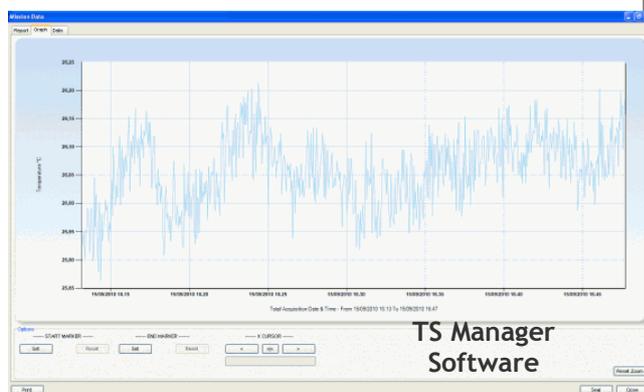
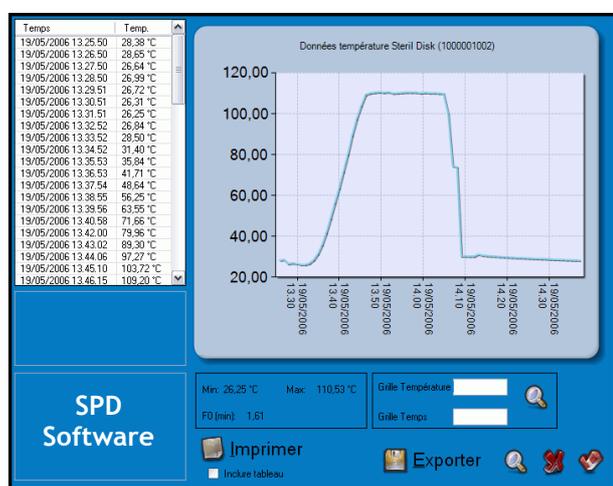
USB

## Technical features

Model	Standard	Bendable probe	Flexible probe
Dimensions	18 h X 36 Ø (mm)		
Rigid probe	20, 100, 150, on demand (max. 175 mm) h X 3 Ø (mm)		
Probe		30 cm X 2 Ø (mm)	30 cm X 4 Ø (mm)
Materials	Stainless steel AISI316L, PEEK (completely Food Grade)		
Temperature range	-20 °C ÷ +140 °C (up to 5 bar) - PT sensor		
Temperature resolution	0,01 °C		
Temperature accuracy	± 0,1 °C (within calibration range only; standard range: 25 °C ÷ +140 °C)		
Number of acquisitions	60.000		
Acquisition rate	From 1 every second up		
Battery life	<b>user replaceable</b> +8.000.000 acquisitions @25 °C - at high or low temperatures battery life will decrease		
Protection degree	IP68		
Communications	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 the F0</u> and the Z and N parameters of the formula can be set	
Languages	Italian, English, French, Spanish, German	Italian, English, German



S-Disk J 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 logger configuration that suits you most.



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UNI EN ISO 9001:2008 Certified Company - CertiQuality / IQNET Certificate number 17733

Product Code:  
ts17sdj1/2/3/d  
ts17sdjb1/d  
ts17sdjf1/d