SterilDisk

How to choose the best monitoring system according to your needs?

Tecnosoft's temperature, humidity and pressure data-loggers are in compliance with HACCP, FDA and BRC regulations and EN12830, EN11135-1 and EN17665-1 standards.

SterilDisk:

SterilDisk series features different data logger versions for temperature up to 140°C, for thermal processes such as sterilisations, pasteurisation, cooking etc. Different versions are with **internal sensor**, with **probe of standard length** and with **flexible probe**. It requires an interface for PC connection: DiskInterface HS, DiskInterface HS Mini, Universal multibay. With every SterilDisk a battery kit for battery replacement is included. Accredia traceable calibration certificate is included.

SterilDisk Probe10 – Temperature data logger with 10 mm external probe (probes cannot be switched) 10 l X 4 Ø (mm) 10mm probe, 36.5mm base

SterilDisk Probe 20/50/100/150 – Temperature data logger with 20 or 50 or 100 or 150 mm external probe (probes cannot be switched) on a **5mm base** (base height is not counted for probe length), up to 140°C, managed with Windows software and USB interface. Accredia traceable calibration certificate is included (calibration standard points: 25/50/75/100/125/140°C. Probe base dimensions 5 h X 14 Ø mm Probe 20 l X 3 Ø (mm); Probe 50 l X 3 Ø (mm); Probe 100 l X 3 Ø (mm); Probe 150 l X 3 Ø (mm)

Model	SterilDisk Probe 10	SterilDisk Probe 20/50/100/150
Dimension	17.4 H X 36.5 Ø (mm)	
Probe dimension	10 l X 4 Ø (mm)	20/50/100/150 l X 3 Ø mm
Temperature range	-20°C to +140°C	
Temperature resolution	0.01° C	
Material	Stainless steel AISI316L, PEEK	
Temperature accuracy	± 0.2 °C (valid in the calibration range)	
Acquisition rate	From 1 second up (in steps of 1 second)	
Protection degree	IP68	
Battery life	user replaceable; 1,400,000 acquisitions at 1 second step continuously (calculated time @25°C. Battery life may be shorter if used in low temperatures)	

Application: sterilization, pasteurization, cooking processes monitoring, pharmaceutical, healthcare, medical, laboratories, validation

Advantages: Completely food grade and waterproof. Managed through SPD and TS Manager (compatible with FDA 21 CFR Part 11 regulation) software and the interfaces DiskInterface HS Mini, DiskInterface HS and Multibay. Battery is user replaceable and the data logger is provided with an Accredia (NIST equivalent) traceable certificate on 6 points. All software calculates lethality value.

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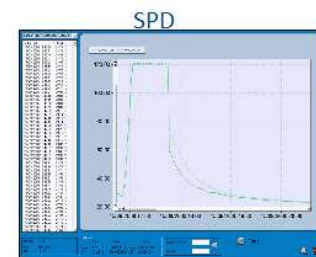daniel.kumar@ecefast.co.nz
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Software

SPD: Suitable for SterilDisk, P-Micro (all versions), S-Micro (all versions), supports DiskInterface HS Mini. It is freely downloadable from Tecnosoft website.

TS Manager: Validation software compatible with FDA 21 CFR Part 11 regulation, for SterilDisk (all versions), P-Micro ((all versions), S-Micro (all versions), Downloadable from Tecnosoft website (USB protection key requested).

Interface

DiskInterface HS (High speed) is connection bay used for downloading data and programming SterilDisk (all versions), P-Micro, S-Micro interface, supported by SPD and TS Manager software, connected to the PC via USB cable (included).

Software	SPD	TS Manager
Operating Systems	Windows XP, Vista, 7, 8, 10 (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	Two or more missions can be displayed on a single graph for comparison	
Lethality (F0) and Parameters	Automatically calculates the lethality value and the Z and N parameters of the formula can be set	
	Freely downloadable	Licensed

SterilDisk 10

SterilDisk 20/50/100/150

DiskInterface HS

SPD

TS Manager

21 CFR PART 11

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