MicroW S

Main features

- Completely food grade and waterproof
- All software calculates lethality value (F0, PU, A0 ecc.)
- Low battery consumption for an extended battery life
- User replaceable battery (software shows battery status)
- Very easy to deploy in any type of package
- Reference traceable calibration certificate included
- For calibration over 140°C the minimum probe length is 50 mm
- *only the tip resists over 140°C*

Temperature data logger up to 250°C with probe of various lengths

MicroW S records temperatures from 0°C to 250°C through its external sensor of 20, 50, 100 or 150 mm or with length upon request (the probes are not interchangeable), managed through Windows software and USB reading base (DiskInterface HS, Multibay). The logger is miniaturized, suitable for applications in the food and pharmaceutical fields, to be used inside very small packages. The battery is replaceable by the user and the data logger is supplied with a calibration certificate traceable to a Reference on 6 points from 25°C to 140°C (extra points can be requested from 0°C to 250°C, over 140° C only the tip resists. For calibrations over 140°C the minimum length of the tip is 50 mm).

Plus

- Extremely high accuracy and precision: with an accuracy of ± 0,1°C these devices can be employed in any application involving pharmaceuticals, validation, food & beverages, laboratory and medical field
- High accuracy even outside the calibration range
- Fast response time thanks to the 3 mm diameter probe
- Printed reports compliant with health regulations and ISO (data are not editable in the software)

The system

The system is made up by:

- MicroW S temperature 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)

Accessories

SPD	TS Manager
Tecno Calib	DiskInterface HS
Universal Multibay	Locking bolt
Fastening system	Teflon protective tube
Battery kit for MicroW S	

Technical specifications

Dimensions	14 h X 20 Ø (mm)
Probe dimensions	Probe base dimensions 3 h X 14 Ø (mm) Probe 20/50/100/150/on demand l X 3 Ø (mm) (l on demand: min. 12 mm / max. 175 mm.
Weight	13 g
Materials	Stainless steel AISI316L, PEEK
Temperature range	0 °C to 140 °C
Standard calibration points	25/50/75/100/121/140°C
Extra calibration points	Within 0 °C to 250 °C
Temperature resolution	0.01 °C
Temperature accuracy	± 0,1 °C (within the calibration range)
Memory (n. of acquisitions)	20.224
Acquisition step	From 1 every second up, with 1 second steps
Protection degree	IP68
Battery life	560.000 acquisitions at 1 second step continuously (calculated time @25°C. Battery life may be shorter if used in low temperatures)
Software	SPD, TS Manager
Accessories	DiskInterface HS, Multibay universal

SOLUTIONS FOR STERILIZATION, PASTEURIZATION, COOKING AND CHILLING MONITORING

	STERILDISK	MICROW S	MICROW L	MICROW XL	PRESSUREDISK
Height	17.4 mm	14 mm	39 mm	64 mm	43.22 mm
Diameter	36.5 mm	20 mm	20 mm	20 mm	35 mm
Probe	No probe	Rigid	Rigid	Rigid	
	Rigid	Flexible	Flexible	Flexible	Radial rigid
	Flexible	Bendable	Bendable	Bendable	
Temperature	-20°C ~ 140°C	0°C ~ 250°C*	-40°C ~ 140°C	-40°C ~ 250°C*	-40°C ~ 140°C
Battery					

* Only the probe tip resists over 140° C

SterilDisk | SterilDisk Probe 10 | SterilDisk Probe

MicroW S | MicroW L | MicroW XL | PressureDisk

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