

MicroW S



MicroW S records temperatures from 0°C to 250°C through its external probe with length on demand with first 10 mm with M5 thread (threaded part is included in probe length) on a 5 mm base (base height is not counted for probe length). 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). An additional extra battery is also provided.



Main features

- With threaded part for quick and easy fixing to surfaces using the included counterbolt (open packages) or with the threaded rivet of the fixing kit (close packages)
- Completely food grade and waterproof
- **All software calculate 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
- Extra battery included
- Available **extended calibration from 0°C to 250°C** (order extra calibration points; in case of wide calibration range the accuracy might be worse. Request the possible calibration ranges in advance)
- For calibration over 140°C the minimum probe length is 50 mm

Plus

- Extremely high accuracy and precision: with an accuracy of $\pm 0,1^{\circ}\text{C}$ 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
- TS Manager 3 software (compatible with the FDA 21 CFR Part 11, Annex 11, GAMP 5 regulations)

Applications



Validation



Sterilisation



Pharmaceutical



Healthcare



Medical



Cosmetics



Laboratories



Food & Beverages



Pasteurisation

Accessories

- TS Manager 3
- Tecno Calib
- DiskInterface HS
- Universal multibay
- Locking bolt
- Fastening system
- Battery kit for MicroW S

Technical specifications

Dimensions	14 h X 20 Ø (mm)
Probe dimensions	Probe base dimensions 5 h X 14 Ø (mm) - Probe I on demand X 3 Ø (mm) with first 10 mm with M5 thread (min. 22 mm / max. 185 mm. For longer probes ask for quotation)
Weight	13 g
Materials	Stainless steel AISI316L, PEEK
Temperature range	0 °C ÷ +140 °C
Standard calibration points (temperature)	25/50/75/100/121/140°C
Extra calibration points (temperature)	Within the range 0 °C ÷ +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&Mobile App	TS Manager 3, Tecno Calib
Accessories	DiskInterface HS, Multibay universale