MicroW S



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). An additional extra battery is also provided.



Applications

- Validation
- Sterilisation
- Pharmaceutical
- Healthcare
- Medical
- Cosmetics
- Laboratories
- Food & Beverages
- Pasteurisation

Main features

- With different lengths rigid probe for penetration
- 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 ± 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
- TS Manager 3 software (compatible with the FDA 21 CFR Part 11, Annex 11, GAMP 5 regulations)

Accessories

- TS Manager 3
- Tecno Calib
- DiskInterface HS
- Universal multibay
- Locking bolt
- Fastening system
- MicroW S, S-Micro heat protection 1
- MicroW S, S-Micro heat protection 2
- MicroW S, S-Micro heat protection 3
- Battery kit for MicroW S

Technical specifications

Dimensions	18 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. For longer probes ask for quotation)
Weight	13 g
Materials	Stainless steel AISI316L, PEEK, FKM (o-ring)
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

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