S-MicroW L

S-MicroW L is a temperature data logger from -40°C to 140°C (standard calibration from 25°C to 140°C, calibrable from 0°C to 220°C, only the probe will resist above 140°C. For calibrations above 140°C probe minimum length is 50 mm) with 20 or 50 or 100 or 150 mm or on demand length external probe (probes cannot be switched) on a 5 mm base (base height is not counted for probe length), managed with Windows software and USB interface (DiskInterface HS, Multibay). **Battery** is **user replaceable** and the data logger is **provided with an Accredia (NIST equivalent) traceable cetificate** on 6 points.

The other versions of the data logger are:
- S-MicroW L Flexible: with flexible cable probe and rigid probe at the end
- S-MicroW L Bendable: with semi-rigi metal bendable probe and rigid probe at the end
- S-MicroW L Ultra Freeze: includes calibration points from -40°C for use also from -80°C

For each version it is available the XL model too, S-MicroW XL, which has same diameter but is higher because it hosts a bigger battery for a longer life time.
There are also other models of high temperature data loggers, for pressure and humidity too.

Note: if used below -30°C, battery life will be highly reduced.

Applications

Validation

Sterilisation

Pharmaceutical

Healthcare

Medical

Laboratories

Food & Beverages

Pasteurisation

Main features

- With different lengths rigid probe for penetration
- It is possibole to request the calibration with ultra accuracy of ± 0,05°C in the range 25 °C ÷ +140 °C
- 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
- Accredia (NIST equivalent) traceable calibration certificate included
- Available **extended calibration from -40°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)

Plus

- Extremely high accuracy and precision: with an accuracy of ± 0,1°C these devices can be employed in any application involving pharmaceuticals, validation, 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:
- S-MicroW L temperature data logger
- DiskInterface HS or Universal Multibay

- SPD software or TS Manager software (compatible with the FDA 21 CFR Part 11 regulation)

Accessories

- SPD
- TS Manager
- Tecno Calib
- DiskInterface HS
- Universal multibay
- Locking bolt
- Fastening system
- Teflon protective tube
- S-MicroW L battery kit

Technical specifications

Dimensions	39 h X 20 Ø (mm)
Probe dimensions	Probe base dimensions 5 h X 14 Ø (mm) - Probe 20/50/100/150 l X 3 Ø (mm) - Probe l on demand X 3 Ø (mm) (l on demand: min. 10 mm / max. 175 mm. For longer probes ask for quotation)
Weight	50 gr
Materials	Stainless steel AISI316L, PEEK
Temperature range	-40°C ÷ +140°C
Sensor temperature range	-40 °C ÷ +250 °C
Standard calibration points (temperature)	25/50/75/100/125/140°C
Extra calibration points (temperature)	Within the range -40 °C ÷ +250 °C
Temperature resolution	0,01 °C
Temperature accuracy	± 0,1 °C (within the calibration range) / ± 0,05 °C with ultra accuracy option
Memory (n. of acquisitions)	20.224
Acquisition step	From 1 every second up, with 1 second steps
Protection degree	IP68
Battery life	+10.000.000 acquisitions at 1 second step continuously (calculated time @25°C. Battery life may be shorter if used in low temperatures)
Software&Mobile App	SPD, TS Manager
Accessories	DiskInterface HS, Multibay universale

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