S-MicroW L

S-MicroW L is a temperature data logger from -80°C to 140°C (calibration from 25°C to 140°C) 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 with high accuracy

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.

Applications

Validation

Sterilisation

Pharmaceutical

Healthcare

Medical

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
- Accredia (NIST equivalent) traceable calibration certificate included
- Available **extended calibration from -80°C** (order extra calibration points)

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
- DiskInterface HS
- Universal multibay
- Locking bolt
- Fastening system
- Teflon protective tube
- P-Micro L, S-Micro L, S-MicroW L, RHTemp 80 L, RHTemp 125 L battery kit

Technical specifications

Dimensions	39 h X 21 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. 6 mm / max. 175 mm. For longer probes ask for quotation)
Weight	50 gr
Materials	Stainless steel AISI316L, PEEK
Temperature range	-80 °C ÷ +140 °C
Standard calibration points (temperature)	25/50/75/100/125/140°C
Extra calibration points (temperature)	Within the range -80 °C ÷ +140 °C
Temperature resolution	0,01 °C
Temperature accuracy	± 0,1 °C (valida nel range di calibrazione)
Memry (n. of acquisitions)	20.224
Acquisition step	From 1 every second up, with 1 second steps
Protection degree	IP68
Battery life	+10.000.000 acquisizioni ad 1 secondo in continuo (tempo stimato @ 25°C. La vita della batteria è più breve a basse ed alte temperature)
Software&Mobile App	SPD, TS Manager
Accessories	DiskInterface HS, Multibay universale

TECNO Soft
Tecnosoft srl
Via Galvani, 4, 20068, Peschiera Borromeo (MI), Italy
T: (+39) 02 2692 2888 - F: (+39) 02 2692 2875
email: info@tecnosoft.eu - web: www.tecnosoft.eu
UNI EN ISO 9001:2008 Certiquality/IQNet N. 17733