

MicroW XL



MicroW XL is a temperature data logger from -40°C to 250°C (standard calibration from 25°C to 140°C, calibrable from -40°C to 250°C, only the probe will resist above 140°C. For calibrations above 140°C probe minimum length is 50 mm) with 20, 50, 100, 150 mm or on demand length external probe (probes cannot be switched) on a 3 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 a National Reference traceable certificate** on 6 points.

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



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
- 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)
- For calibration over 140°C the minimum probe length is 50 mm
- **Heat protections available for use above 140°C**

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, 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 XL temperature data logger
- DiskInterface HS or Universal Multibay
- SPD software or TS Manager software (compatible with the FDA 21 CFR Part 11 regulation)

Applications



Validation



Sterilisation



Pharmaceutical



Healthcare



Medical



Cosmetics



Laboratories



Food & Beverages



Pasteurisation

Accessories

- SPD
- TS Manager
- Tecno Calib
- DiskInterface HS
- Universal multibay
- Locking bolt
- Fastening system
- S-Micro XL / MicroW XL heat protection 1
- S-Micro XL / MicroW XL heat protection 2
- MicroW XL battery kit

Technical specifications

| | |
|---|---|
| Dimensions | 64 h X 20 Ø (mm) |
| Probe dimensions | Probe base dimensions 3 h X 14 Ø (mm) - Probe 20/50/100/150/on demand I X 3 Ø (mm) (I on demand: min. 12 mm / max. 175 mm. For longer probes ask for quotation) |
| Weight | 61 g |
| Materials | Stainless steel AISI316L, PEEK |
| Temperature range | -40°C ÷ +140°C |
| Sensor temperature range | -40 °C ÷ +250 °C |
| Standard calibration points (temperature) | 25/50/75/100/121/140°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 | +17.000.000 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 |