

# MicroW XL Bendable 500



Temperature data logger from -40°C to 500°C (standard calibration from 25°C to 140°C, calibrable from -40°C to 500°C, only the probe will resist above 140°C) with 30 cm bendable probe, 2 mm diameter (first and last 30 mm cannot be bent). **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 bendable cable to place the device near the packages instead on top and with 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 500°C** (order extra calibration points; in case of wide calibration range the accuracy might be worse. Request the possible calibration ranges in advance)
- **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 2 mm diameter probe
- Easy to use even in small and narrow places thanks to the bendable 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 Bendable 500 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
- 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) - Bendable probe 300/on demand I X 2 Ø (mm) (first and last 15 mm cannot be bent)                 |
| Weight                                    | 61 g  |
| Materials                                 | Stainless steel AISI316L, PEEK  |
| Temperature range                         | -40°C ÷ +140°C  |
| Sensor temperature range                  | -40 °C ÷ +500 °C  |
| Standard calibration points (temperature) | 25/50/75/100/121/140/200/250/300/400/500°C  |
| Extra calibration points (temperature)    | Nel range -40 °C ÷ +500 °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                              | +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   |