# MicroW XL Bendable 400



Temperature data logger from -40°C to 400°C (standard calibration from 25°C to 140°C, calibrable from -40°C to 400°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 cetificate** on 6 points.

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



## Applications

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

## 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
- National Reference traceable calibration certificate included
- Available **extended calibration from -40°C to 400°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 ± 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 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 temperature data logger
- DiskInterface HS or Universal Multibay
- SPD software or TS Manager software (compatible with the FDA 21 CFR Part 11 regulation)

## Accessories

- TS Manager 3
- Tecno Calib
- DiskInterface HS
- Universal multibay
- MicroW L/XL, S-Micro L/XL heat protection 1
- MicroW L/XL, S-Micro L/XL heat protection 2
- MicroW XL battery kit

## Technical specifications

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|---|---|
| Dimensions | 64 h X 20 Ø (mm) |
| Probe dimensions | Probe base dimensions 3 h X 14 Ø (mm) - Bendable probe 300/on demand l X 2 Ø (mm) (first and last 30 mm cannot be bent) |
| Weight | 61 g |
| Materials | Stainless steel AISI316L, PEEK, FKM (o-ring) |
| Temperature range | -40°C ÷ +140°C |
| Sensor temperature range | -40 °C ÷ +400 °C |
| Standard calibration points (temperature) | 25/50/75/100/121/140/200/250/300/400°C |
| Extra calibration points (temperature) | Nel range -40 °C ÷ +400 °C |
| Temperature resolution | 0,01 °C |
| Temperature accuracy | Max ± 0,4 °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 |

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