# MicroW S Flexible

MicroW S Flexible is a miniaturized temperature data logger from 0°C to 140°C (calibration from 25°C to 140°C) with 30 cm felxible probe and 50 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 Reference traceable certificate on 6 points. Extra battery kit included.



### **Applications**



Validation



Sterilisation



Pharmaceutical



Healthcare



Medical



Laboratories



Food & Beverages



Pasteurisation

### Main features

- With flexible cable to reach points that requires minimum encumbrance by the device
- 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 0°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, food&beverages, validation, laboratory and medical field
- High accuracy even outside the calibration range
- Fast response time thanks to the 3 mm diameter probe
- Easy to use even in small and narrow places thanks to the flexible 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 S Flexible temperature data logger
- DiskInterface HS or Universal Multibay
- TS Manager 3 software (compatible with the FDA 21 CFR Part 11 regulation)

### **Accessories**

- TS Manager 3
- Tecno Calib
- DiskInterface HS
- Universal multibay
- Locking bolt
- Fastening system
- MicroW S, S-Micro heat protection 1
- MicroW S, S-Micro heat protection 2
- MicroW S, S-Micro heat protection 3
- Battery kit for MicroW S

# **Technical specifications**

Dimensions	14 h X 20 Ø (mm)
Probe dimensions	Probe base dimensions 5 h X 14 Ø (mm) - Flexible probe 300 l X 4 Ø (mm) - Rigid probe base dimensions 5 h X 5,5 Ø (mm) - Probe 50/on demand l X 3 Ø (mm) (l on demand: min. 12 mm / max. 175 mm. For longer probes ask for quotation)
Weight	17 g
Materials	Stainless steel AISI316L, PEEK
Temperature range	0 °C ÷ +140 °C
Standard calibration points (temperature)	25/50/75/100/121/140°C
Extra calibration points (temperature)	Within the range 0 °C ÷ +140 °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	+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	TS Manager 3, Tecno Calib
Accessories	DiskInterface HS, Multibay universale