HIGH TEMPERATURE DATA LOGGER
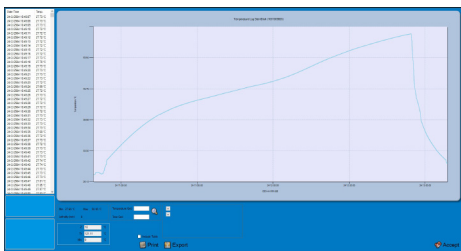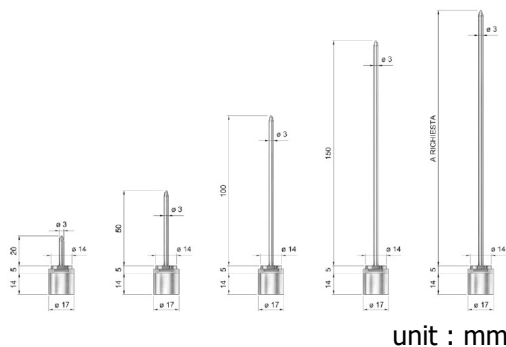# S-Micro

Drawing

unit : mm

Ordering code

S-Micro ☐

20 : Probe length 20 mm
50 : Probe length 50 mm
100 : Probe length 100 mm
150 : Probe length 150 mm
xx : Customize probe length 12...175 mm

Features

- Very small high temperature data logger
- 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
- It is supported by the TS Manager software for validation-compatible with the FDA 21 CFR Part 11 and GAMP 5 regulations.
- Application for Sterilisation, Pasteurisation, Food and Beverage, Phamaceutical, Healthcare, Medical, Laboratories, Validation

Technical data

Temperature range : 0...+140°C
Temperature range (Option) : 0...+220°C by using heat protection 1 for 13 minnutes or heat protection 2 for 39 minutes. this option for S-Micro 50, S-Micro 100 and S-Micro 150.
Accuracy : ± 0.1°C (within the calibration range)
Resolution : 0.01 °C
Memory capacity : 20,224
Battery type : high temperature Lithium battery
Battery life (@different interval) : 2 years @ 2 minutes or 6 days @ 1 second (560,000 acquisitions @ 1 second step continuously (calculated time @25°C)). Storage or operation above +50°C significantly reduces battery life.
Interval : 1s...24Hrs
Material : Strainless steel AISI316L, PEEK
Operate system : Windows XP, Vista, 7, 8, 10
Exporting : PDF, Exel
Dimension : 14 h x Φ17 mm (Body), 3 h x Φ 14 (Probe base)
Weight : 13g
Pressure resistance : 6 barG
Protection type : IP68

Application

Autoclave	Sterilization process	pasteurization process	Oven/Retort

*Note: Furthermore, these process that are shown, please do not hesitate to contact us for consulting

HIGH TEMPERATURE DATA LOGGER
S-Micro

Accessories

These are necessary equipments that using with products and increase efficiency.

TS04MHP1 : Heat protection is used in S-Micro. Protect up to 220°C 13 minutes. this option for S-Micro 50, S-Micro 100 and S-Micro 150.

TS04MHP2 : Heat protection is used in S-Micro. Protect up to 220°C 39 minutes. this option for S-Micro 50, S-Micro 100 and S-Micro 150.

DiskInterface HS Mini : is the connection bay used in SterilDisk series, P-Micro, S-Micro model for downloading data and programming all models of high temperature data loggers
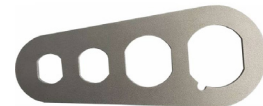

DiskInterface HS : is the connection bay used in all model for downloading data and programming all models of high temperature data loggers

Universal Multibay : is the multiple connection bay used for downloading data and programming all models of high temperature data loggers. It allows to connect up to 5 data loggers of each supported model to be programmed and downoaded at the same time.
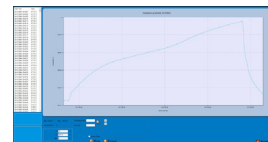

TS17MU : use to open data loggers for battery replacement.
*Note : For all of **sterilDisk** model, need **2 items** for opening*
*For **others model**, need only **1 item** for opening*

TS01SPMB : Battery and O-ring for S-micro.

SPD Software (FREE) : It allows to start the devices setting the start delay, mission duration, notes. After download data are then displayed on graph, with zoom function, and table, exportable in Excel.

TS Manager Software : it allowed to do everything as a SPD software and has more functions such as multi-user, having login and password, Synchronized data table with statistics, etc. Downloadable from Tecnosoft website and works with its hardware protection key only.