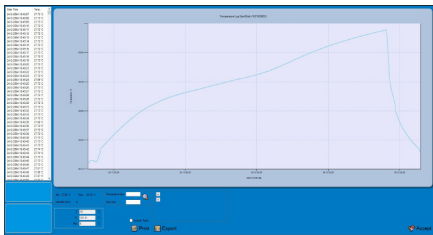
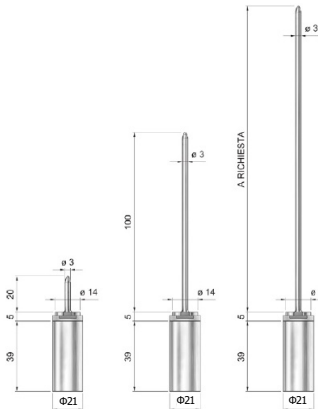


LOW TEMPERATURE DATA LOGGER MicroW L Ultra Freeze



Drawing



unit : mm

Ordering code

MicroW L Ultra Freeze

- 20** : Probe length 20 mm
- 100** : Probe length 100 mm
- xx** : Customize probe length 12...175 mm

www.omi.co.th

Omega Measuring Instrument Co., Ltd.

Tel : 02-105-4676
Fax : 02-903-0080 ext. 6867
Email : info@omi.co.th
Line : @omith

Features

- Ultra freeze condition suitable
- 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, Pharmaceutical, Healthcare, Medical, Laboratories, Validation

Technical data

Temperature range : -80...+140°C

Accuracy : ± 0.1°C (Max ±0.5°C within -80...-40°C)

Resolution : 0.01 °C

Memory capacity : 20,224

Battery type : high temperature Lithium battery

Battery life (@different interval) : more than 5 years @ 30 seconds or 3 months @ 1 second (10,000,000 acquisitions @ 1 second step continuously (calculated time @25°C)). Storage or operation above +50°C significantly reduces battery life.

Battery life (Option) : Battery and o-ring suitable for ultra freeze condition. The mission max duration at -80 °C is 2 months, use continuously. It is supposed to use in -80...50°C of temperature range

Interval : 1s...24Hrs

Material : Stainless steel AISI316L, PEEK

Operate system : Windows 10, 11 (32/64 bit)

Exporting : PDF, Excel

Dimension : 39 h x Φ21 mm (Body), 3 h x Φ 14 (Probe base)

Weight : 50g

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*

LOW TEMPERATURE DATA LOGGER MicroW L Ultra Freeze

Accessories

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

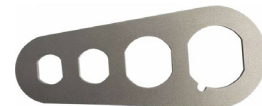
DiskInterface HS : is the connection bay used in all model for downloading data and programming all models of high temperature data loggers



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 downloaded 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*



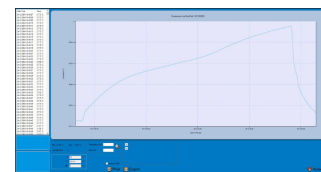
TS18SMWLBK : Battery and O-ring can be used in all type of MicroW L. When used on ultra freeze condition, the max duration at -80°C is 12 hours, use continuously.



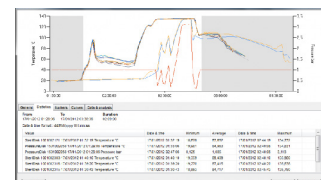
TS18SMWL-80B : Battery and O-ring can be used in all type of MicroW L and suitable for ultra freeze condition. The mission max duration at -80°C is 2 months, use continuously.
[DO NOT USE IN AUTOCLAVE]



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.



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