

SterilDisk Flexible



Temperature data logger from -20°C to 140°C (calibration from 25°C to 140°C), with 30 cm flexible cable and 50 mm or on demand rigid probe (probes cannot be switched) on a 5 mm base (base height is not counted for probe length), IP68, in AISI316 L stainless steel, for sterilisation, pasteurisation, cooking processes monitoring. Managed through SPD and TS Manager (compatible with FDA 21 CFR Part 11 regulation) software and the interfaces DiskInterface HS Mini, DiskInterface HS and Multibay. Ideal for core of the product monitoring. It can be used alone or in combination with other loggers of the same model or different models, also for pressure monitoring. With every SterilDisk **a battery kit for battery replacement is included. Battery is user replaceable** and the data logger is **provided with an Accredia (NIST equivalent) traceable certificate** on 6 points.

Main features

- Small size
- With flexible cable in teflon and rigid probe
- Completely food grade and waterproof
- **All software calculate lethality value (F0, PU, A0 ecc.)**
- User replaceable battery (**software shows battery status**)
- Accredia (NIST equivalent) traceable calibration certificate included
- Available **extended calibration from - 20°C** (order extra calibration points; in case of wide calibration range the accuracy might be worse)

Plus

- High accuracy and precision
- Flexible probe for minimum encumbrance on the package
- Printed reports compliant with health regulations and ISO (data are not editable in the software)
- Can be fixed to food package and surfaces with the Mounting Base

The system

The system is made up by:

- SterilDisk temperature data logger
- DiskInterface HS Mini or DiskInterface HS or Universal Multibay
- SPD software or TS Manager software (compatible with the FDA 21 CFR Part 11 regulation)



Applications



Sterilisation



Pasteurisation



Food & Beverages



Pharmaceutical



Healthcare



Medical



Laboratories



Validation

Accessories

- SPD
- TS Manager
- DiskInterface HS Mini
- DiskInterface HS
- Universal multibay
- Locking bolt
- Fastening system
- Teflon protective tube
- Battery kit for SterilDisk, PasteurDisk Can, SterilDisk Can
- O-rings for SterilDisk

Technical specifications

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|---|---|
| Dimensions | 17,4 h X 36,5 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 | 91 g |
| Materials | Stainless steel AISI316L, PEEK |
| Temperature range | -20 °C ÷ +140 °C |
| Standard calibration points (temperature) | 25/50/75/100/121/140°C |
| Extra calibration points (temperature) | Within the range -20 °C ÷ +140 °C |
| Temperature resolution | 0,01 °C |
| Temperature accuracy | ± 0,2 °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 type | 3.0V lithium user replaceable |
| Battery life | +1.400.000 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 Mini, DiskInterface HS, Universal Multibay |