SterilDisk Probe



Temperature data logger from -20°C to 140°C (calibration from 25°C to 140°C), with 20 or 50 or 100 or 150 mm external 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 cetificate** on 6 points.



Applications

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

Main features

- Small size
- With different lengths rigid probe for penetration
- 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
- Quick response time
- 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
- TS Manager 3 software (compatible with the FDA 21 CFR Part 11 regulation)

Accessories

- TS Manager 3
- DiskInterface HS
- Universal multibay
- Fixing base
- Locking bolt
- Fastening system
- Battery kit for SterilDisk, PasteurDisk Can, SterilDisk Can
- O-rings for SterilDisk

Technical specifications

Dimensions	17,4 h X 36,5 Ø (mm)
Probe dimensions	Probe base dimensions 5 h X 14 Ø (mm) - Probe 20/50/100/150 l X 3 Ø (mm)
Weight	82 g
Materials	Stainless steel AISI316L, PEEK, FKM (o-ring)
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	TS Manager 3, Tecno Calib
Accessories	DiskInterface HS Mini, DiskInterface HS, Universal Multibay

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