

PasteurDisk Can

PasteurDisk Can (up to 100°C) and SterilDisk Can (up to 140°C) features different data loggers versions for temperature dedicated to cans and bottles eventually monitoring. On the body of the standard SterilDisk there is a small base that will fit on the concave bottom of the aluminium cans, on which a hole is made, to let the probe pass through. Along with the three standard lengths, for cold spot temperature monitoring inside the three main can sizes, there is also the probe on demand version First 10 mm of the probes are threaded so that they can be screwed on the M5 rivets (see below) applied on the cans through the Fitting system that allows to fix the pore from the outside of the package, even if it is closed.

The PasteurDisk Can is a temperature data logger from -20°C to 100°C (calibration from 25°C to 100°C), with 95 or 130 or 148 mm or on demand length external probe (probes cannot be switched) on a 6 mm base (base height is not counted for probe length), IP68, in AISI316 L stainless steel, for pasteurisation 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 cold spot monitoring of cans and also bottles. It can be used alone or in combination with other loggers of the same model or different models, also for pressure monitoring. With every PasteurDisk Can **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.

The version for up to 140°C only is available too.

There are also other models of high temperature data loggers, for pressure and humidity too.

Main features

- Small size
- Small step at probe base to be inserted on the base of the cans
- 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
- The only device specifically designed for cans
- 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



Applications



Pasteurisation



Food & Beverages



Validation

The system

The system is made up by:

- PasteurDisk Can or SterilDisk Can 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)

Accessories

- SPD
- TS Manager
- DiskInterface HS Mini
- DiskInterface HS
- Universal multibay
- 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 6 h X 12 Ø (mm) - Probe 95/130/148 l X 3 Ø (mm) - Probe l on demand X 3 Ø (mm) (l on demand: min. 20 mm / max. 185 mm. For longer probes ask for quotation). First 10 mm of the probe are threaded with M5 screw pitch
Weight	91 gr
Materials	Stainless steel AISI316L, PEEK
Temperature range	-20 °C ÷ +100 °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
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



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