PressureDisk



PressureDisk is a temperature and pressure data logger from -40°C to 140°C (calibration from 25°C to 140°C) and from 0 to 5 bar with 20 mm length external probe, managed with Windows software and USB interface (DiskInterface HS, Multibay). **Battery** is **user replaceable** and the data logger is **provided with an Accredia (NIST equivalent) traceable certificate** on different points.

It is particularly indicated for autoclave and sterilisation processes validation.

The other version of the data logger are:

- PressureDisk 05: pressure data logger from 0 to 5 bar

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



Applications

Validation

Sterilisation

Pharmaceutical

Medical

Healthcare

Cosmetics

Laboratories

Food & Beverages

Main features

- Completely food grade and waterproof
- Radial temperature sensor
- 1/4 Gas threaded connector to be screwed outside autoclave (the logger can still be used inside the autoclave though)
- **TS Manager software calculates lethality value (F0, PU, A0 ecc.)**
- Low battery consumption for an extended battery life
- User **replaceable battery** (**software shows battery status**)
- Accredia (NIST equivalent) traceable calibration certificate included
- Available **extended calibration from -40°C** (order extra calibration points)

Plus

- Extremely high accuracy and precision for temperature and pressure: with an accuracy of ± 0,1°C these devices can be employed in any application involving pharmaceuticals, validation, laboratory and medical field
- High accuracy even outside the calibration range
- Fast response time thanks to the 3 mm diameter probe
- Printed reports compliant with health regulations and ISO (data are not editable in the software)

The system

The system is made up by:

- PressureDisk temperature data logger
- DiskInterface HS or Universal Multibay
- TS Manager software (compatible with the FDA 21 CFR Part 11, Annex 11, GAMP 5 regulations)

Accessories

- TS Manager 3
- PressureDisk, S-Disk J, L-Disk battery kit
- Filter for PressureDisk

Technical specifications

Dimensions	43,22 h X 35 Ø (mm) - 55 (mm) total h with 1/4 Gas threaded part
Radial probe dimensions	20 l X 3 Ø (mm)
Weight	145 g
Materials	Stainless steel AISI316L, PEEK, FKM (o-ring)
Temperature range	-40°C ÷ +140°C
Standard calibration points (temperature)	25/50/75/100/121/140°C
Extra calibration points (temperature)	Within the range -40 °C ÷ +140 °C
Temperature resolution	0,01 °C
Temperature accuracy	± 0,1 °C (within the calibration range)
Pressure range	0 bar ÷ 5 bar absolute
Standard calibration points (pressure)	50/1k/2k/3k/4k absolute mbar
Extra calibration points (pressure)	Within the range 50 mbar ÷ 5 bar absolute
Pressure resolution	1 mbar
Pressure accuracy	± 15 mbar
Memory (n. of acquisitions)	27.264
Acquisition step	From 1 every second up
Protection degree	IP68
Battery life	+6.000.000 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, Multibay universale

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