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



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 I 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