

How to choose the best monitoring system according to your needs?

Tecnosoft's temperature, humidity and pressure data-loggers are in compliance with HACCP, FDA and BRC regulations and EN12830, EN11135-1 and EN17665-1 standards.

PressureDisk is a temperature and pressure data-logger from -40°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). It is rugged, that can work for several sterilisation cycles; the temperature sensor (PressureDisk only) is on a radial probe while the pressure one is inserted in a threaded insert with a ½ Gas that can be screwed on standard receptacles on autoclaves. Battery is user replaceable and the data logger is provided with an Accredia (NIST equivalent) traceable certificate on different points.

Three models available: **PressureDisk standard** (for pressure and temperature), **PressureDisk 05** (for pressure only), **PressureDisk V** (Standard calibration points pressure 10/30/100/300 absolute mbar)

PressureDisk Standard



PressureDisk 05, V



Model	PressureDisk standard	PressureDisk 05	PressureDisk V
Dimension	35 Ø X 55 (threaded insert ½Gas included)		
Radial Temp probe	20 h X 3 Ø (mm)		
Temperature range	-40°C to +140°C	-40°C to +140°C	0°C to +80°C
Calibration range	+25°C to +140°C		
Temperature resolution	0.02°C		
Temperature accuracy	± 0.1°C (in the calibration range)		
Material	Stainless steel AISI316L, Peek: food grade		
Pressure range	0 bar to 5 barA		0 mbar to 1 barA.
Pressure resolution	2 mbar		1 mbar
Pressure accuracy	±15mbar		±10mbar
Acquisition rate	From 1 acquisition, every second up		
No of acquisition	27,264		
Protection degree	IP68		
Battery life	user replaceable, 6.000.000 acquisitions at 1 second step continuously (calculated time @25°C – duration will decrease with high and low temperatures)		
Software Interface	HumiPressureDisk, TS Manager DiskInterface HS		

Application and advantage: The PressureDisk is a data logger for temperature and pressure monitoring, in particular in autoclave, since it resists up to 140°C. It can be provided alone or in a kit made by the TS Manager software, compatible with FDA 21 CFR Part 11 regulations. All devices are in food grade material and are submersible, so that they can be used easily also in the food industry. With the TS Manager system, it is possible to validate autoclaves by professional validators.

Software

HumiPressureDisk: Comes together with the DiskInterface HS

TS Manager: TS Manager system is particularly indicated for autoclaves validators, since it allows to manage a Customer database, with the list of each instrument for each Customer. Being FDA 21 CFR Part 11 compatible, it can be easily implemented in every monitoring and validation process, being compliant to law and international regulations.

Interface: DiskInterface HS (High Speed) is the connection bay used for downloading data and programming all models of high temperature data loggers, including PressureDisk series

Software	HumiPressureDisk	TS Manager
Operating Systems	Windows XP, Vista, 7, 8, 10 (32, 64 bit)	
Data management	Missions sorted by start date and logger serial number	Database SQL client/server, data saved per mission, mission templates management, mission and customers archive (for validators)
Data display	HTML Report, graph with zoom, table, export into Excel	HTML Report, graph with zoom and markers, table with statistics and analysis, export into Excel
Multi-graph display		Two or more missions can be displayed on a single graph for comparison
Lethality (F0) and Parameters		Automatically calculates the lethality value and the Z and N parameters of the formula can be set
	Included with DiskInterface HS	Licensed

