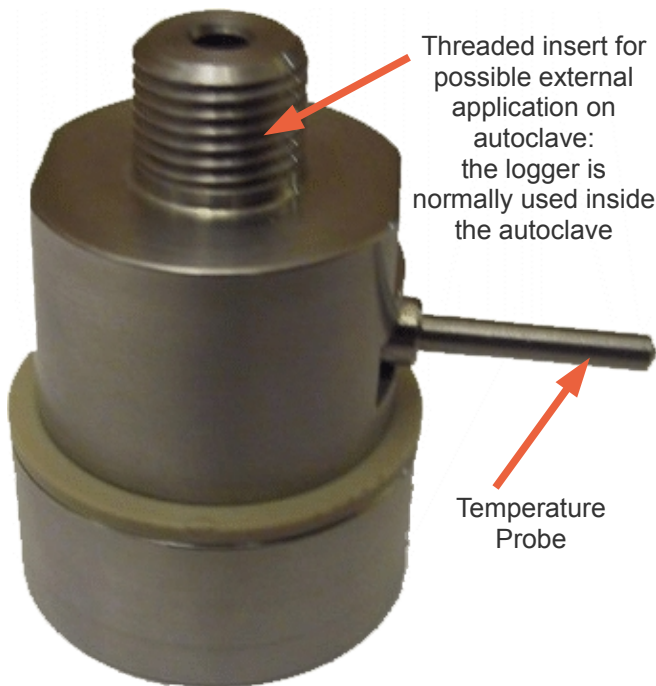


# PRESSUREDISK (STANDARD, 05, V)



Temperature and pressure loggers for autoclaves with validation software compatible with FDA 21 CFR Part 11 regulations



Threaded insert for possible external application on autoclave: the logger is normally used inside the autoclave

Temperature Probe

## The Versions

PressureDisk is provided in these versions:  
- PressureDisk: for pressure and temperature  
- PressureDisk 05: for pressure only  
- PressureDisk V: low pressure, for pressure only)

## The System

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, and one or more temperature loggers (the software can manage all of your devices). All can log up to 140°C and resist up to 5 bar of pressure and can be used to map the autoclave and check it is working well. 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.

PressureDisk is rugged, with a user replaceable battery 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 1/2 Gas that can be screwed on standard receptacles on autoclaves.

## Applications

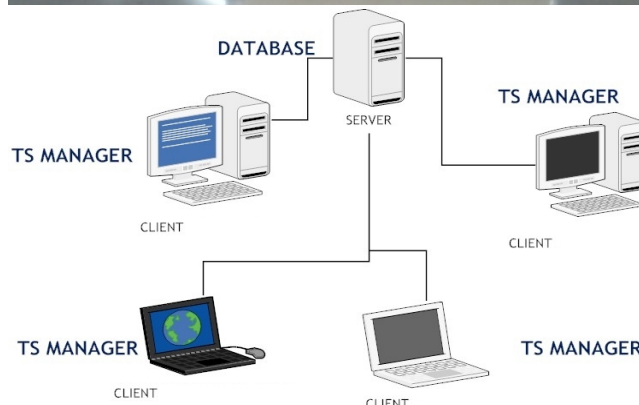
- Validation of autoclaves or other instruments that need verification of pressure control.
- Internal pressure monitoring of food and non-food packaging during sterilisation process.
- Monitoring of sterilisation and pasteurisation processes.
- Ambient temperature and pressure monitoring.

## Validation

The 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.

For example, it can be used to validate autoclaves in hospitals, in analysis laboratories, in dentists office or among tattooers and piercers.



Fields of application



Healthcare



Pharma

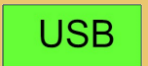


Dentists



Food

Interface Communication



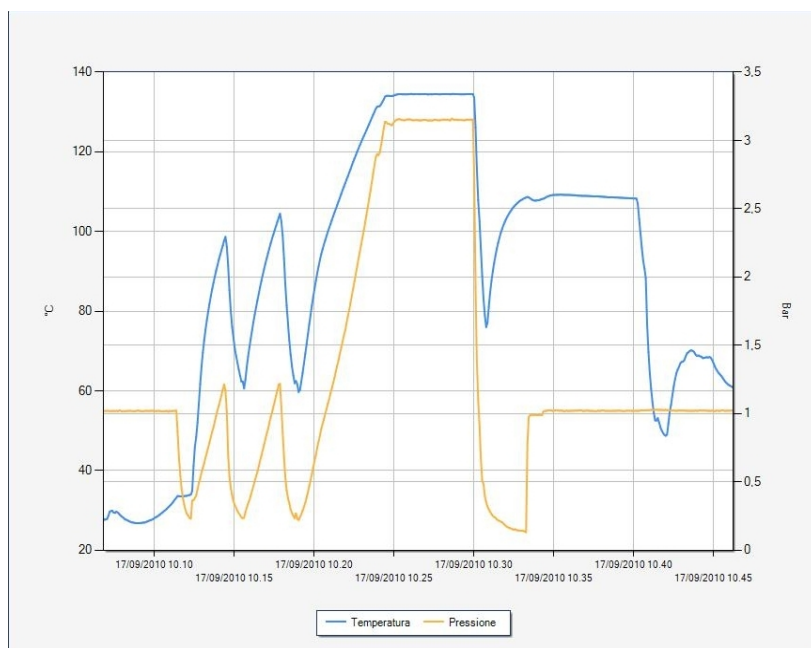
USB

## Technical Data

Type	PressureDisk	PressureDisk 05	PressureDisk V
Dimensions	35 Ø X 55 (threaded insert ½Gas included) temperature probe length: 23 mm, temperature probe diameter: 3 mm (PressureDisk only)		
Radial probe	23 h X 3 Ø (mm)		
Material	Stainless steel AISI316L, Peek: food grade		
Temperature range	-40 °C ÷ 140 °C (calibration range 25 °C ÷ 140 °C)		0 °C ÷ 80 °C
Temperature resolution	0,02 °C		
Temperature accuracy	± 0,1 °C (in the calibration range; standard range 25 °C ÷ 125 °C)		
Pressure range	100 mbar ÷ 5 bar abs.		0 mbar ÷ 1 bar abs. (calibration range 0 ÷ 300 mbar)
Pressure resolution	2 mbar		1 mbar
Pressure accuracy	± 15 mbar (in the calibration range 100 ÷ 4 bar absolute)		± 1 mbar (in the calibration range 0 ÷ 300 mbar)
Number of acquisitions	30000		
Acquisition rate	From 1 acquisition every second up		
Battery life	user replaceable - +6.000.000 acquisitions - duration will decrease with high and low temperatures		
Protection degree	IP68		
Accessories	DiskInterface HS (HumiPressureDisk software included)		

## Software

Type	HumiPressureDisk	TS Manager
Operating Systems	Windows XP, Vista, 7, 8 (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		<u>Two or more missions can displayed on a single graph</u>
F0 and parameters		Automatically <u>calculates the F0</u> ; the Z and N parameters of the formula can be set
Languages	English	Italian, English, German



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