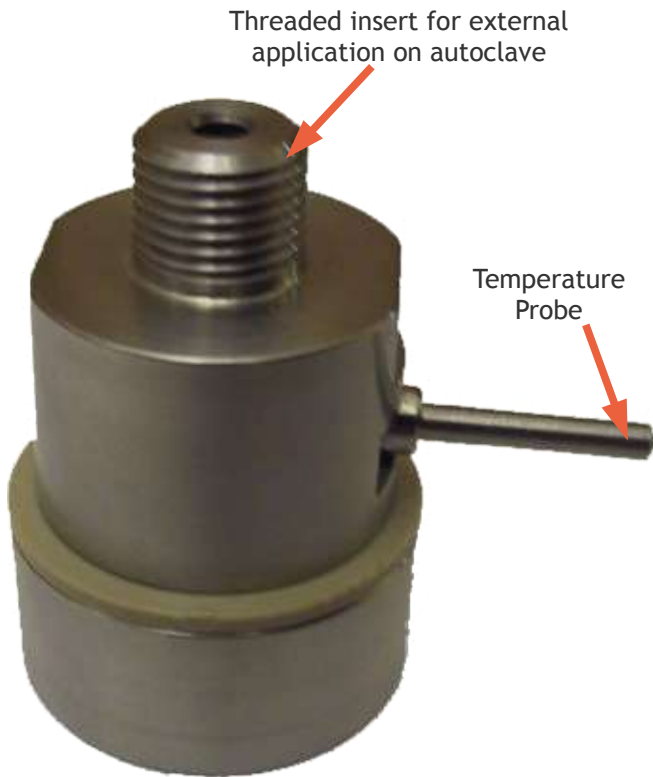


PRESSUREDISK



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



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 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.

Applications

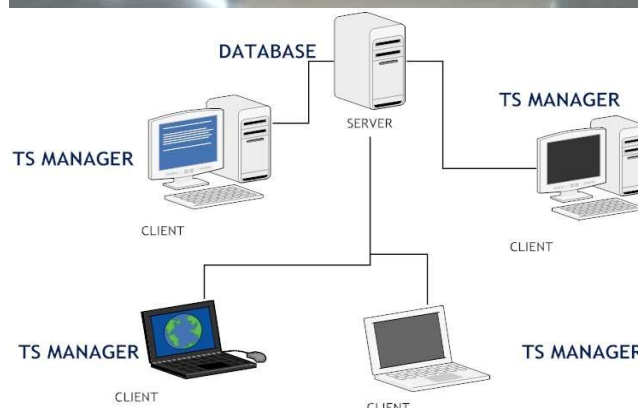
- Validation of autoclaves or other instruments that need verification of pressure control.
- Internal pressure monitoring of food and non-food packaging during sterilisation process.
- Monitoring of sterilisation and pasteurisation processes.
- Ambient temperature and pressure monitoring.

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

Dimensions	Diameter max: 35 mm; hh: 43,22 mm; threaded insert ½Gas: 11 mm; temperature probe length: 23 mm, temperature probe diameter: 3 mm
Material	Stainless steel AISI316L, Peek: food grade
Temperature range	0°C ÷ 140°C; other intervals on request
Temperature resolution	0,02°C
Temperature accuracy	+/-0,2°C
Pressure range	10 mbar ÷ 5000 mbar absolute (calibration: 10-4000 mbar)
Pressure resolution	2 mbar
Pressure accuracy	15 mbar
Number of acquisitions	60576 (date, time, temperature, pressure)
Acquisition rate	From 1 acquisition every second up
Battery life	2 years with 10 seconds acquisition rate for 5 hours a day - user replaceable
Accessories	DiskInterface, adapter

Software

Operating Systems	Windows XP, Vista, 7 (32 e 64 bit)
Data management	Database SQL client/server, data saved per mission, mission templates management, mission and customers archive (for validators)
Data display	HTML Report, graph with zoom and markers, table with statistics and analysis, export into Excel
Compliant with	FDA 21 CFR Part 11 compatible
Languages	English

