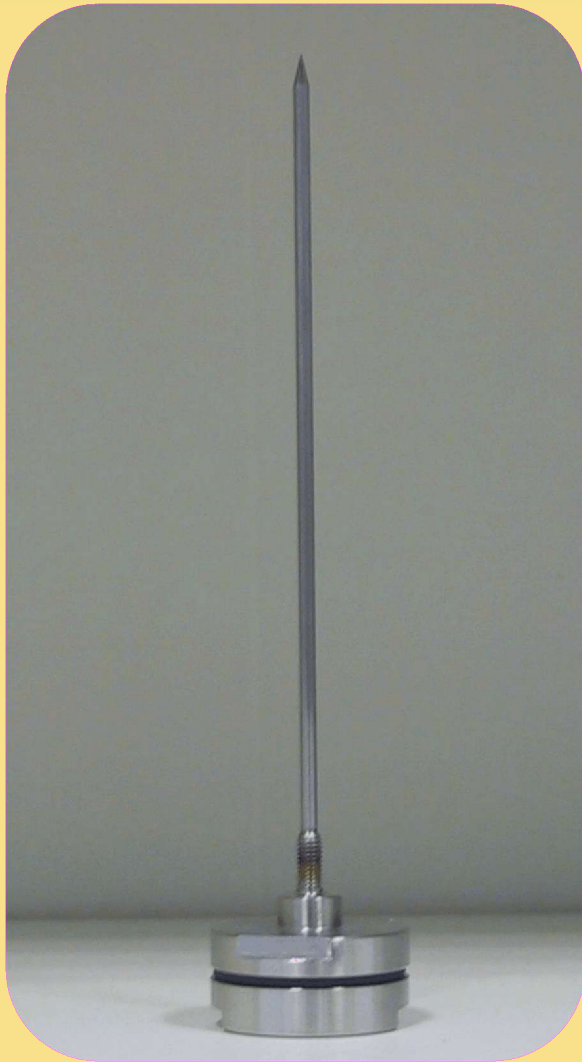


PasteurDisk Can and SterilDisk Can



PasteurDisk and SterilDisk temperature data logger with probes of different length for monitoring cans and tins of various size



System

PasteurDisk and SterilDisk are the Tecnosoft loggers for high temperature, up to 100°C and up to 140°C. Along with the standard disk version and the Probe version, with external probe of 50 mm length and 4 mm diameter, there is also the “Can” version, specifically designed for cans. To reach the cold spot, placed nearly at 20 mm from the base of the can, there are new different probes available: diameter is now of 3 mm, for a fastest response time, and the different lengths allow to cover all the standard size of cans and tins. The probe is placed on a small basis at the center of the disk of the device main body and this system, thanks to a probe threaded part of 10 mm, it has been designed to be applied on the dome on the base of cans: in this way the logger will be placed on the bottom part of the can itself and won't affect too much the overall height of the can. Placed like this, the can, with the logger on top, will be able to go through machines and tunnels for pasteurisation and sterilisation.

The data loggers can be provided with a calibration certificate traceable to a national reference.

The probe can be fixed using the Fastening System from Tecnosoft: using particular threaded rivets the probe can be applied even on a closed can.

Applications

The main applications for this type of logger are in the food field but it can be used with benefit also in the pharmaceutical and medical field:

- pasteurisation and sterilisation of beverages in can (beer, cider, soda);
- pasteurisation and sterilisation of canned food, placing the logger external or internal (you may ask probes length on demand);
- temperature monitoring of bottles, from beverages to wine;
- temperature monitoring during processes that demands a high response time of the sensor;
- temperature monitoring also in fridge cells and in cooling processes, asking for the special calibration for low temperatures (from -40°C), to obtain the best possible accuracy.



Technical Data

Body dimensions	36 mm diameter; 17 mm height
Probe dimensions	3 mm diameter; 100, 135, 155 mm standard lengths; other lengths on demand
Material	AISI316L stainless steel food grade
Temperature range PasteurDisk Can	0 °C ÷ 100 °C (also from -40 °C on demand)
Temperature range SterilDisk Can	0 °C ÷ 140 °C (also from -40 °C on demand)
Temperature resolution	0,04 °C
Temperature accuracy	± 0,3 °C
Number of acquisitions	15000
Acquisition rate	from 1 each second
Battery life	2 years with typical use User replaceable
Accessories	USB DiskInterface; fastening system for fixing on food packaging

SPD Software

Operating Systems	Windows 2000, XP, Vista, 7
Data management	Mission archive can be sorted by logger serial number and starting date and time; data can be exported into Excel format; report printing with customized header
Data display	Graph, table
Compliant with	F0 and PU calculation (Pasteurisation Units) with setting of Z and N variables (reference temperature) for formula calculation, and of the value from which to start F0 calculation
Languages	Italian, English, French, Spanish, German

