S-Radio 100 / 5 mm

S-Radio 100 / 5 mm is a wireless temperature data logger from -40°C to 140°C (calibration from 25°C to 140°C) with 100 mm length, 5 mm diameter external probe on a 13 mm cone base (base height is not counted for probe length), managed with Windows software and USB interface. **Battery is user replaceable** and the data logger is **provided with an Accredia** (NIST equivalent) **traceable cetificate** on 4 points.

Thanks to S-Radio **process data can be viewed in real time** on PC screen along with progressive lethality (pasteurisation units) values. Alarms can be set on temperature and lethality value itself. With S-Radio you can act in real time on the process, knowing the thermal curve at the core of the product.

It requires an interface for PC connection: DiskInterface HS, Multibay. For real time data the USB Radio Receiver is needed as well.

Main features

- With thcker probe to be more robust
- Completely food grade and waterproof
- **All software calculate lethality value (F0, PU, A0 ecc.)**
- **Replaceable battery** (**software shows battery status**)
- **Real time data transmission**, no installation requested
- Accredia (NIST equivalent) traceable calibration certificate included
- Available **extended calibration from -40°C** (order extra calibration points)

Plus

- High accuracy and precision, food grade, probes of different size
- Very easy to deploy in any type of package with the fastening system
- 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)
- Knowing the thermal curve in real time will allow to act immediately saving time, money and increasing the quality of the product

The system

The system is made up by:
- S-Radio temperature data logger
- DiskInterface HS or Universal Multibay
- USB Radio Receiver or Ethernet Receiver (for Process Monitor Pro software only)
- SPD software, TS Manager software (compatible with the FDA 21 CFR Part 11 regulation) or Process Monitor software

Applications

Food & Beverages

Sterilisation

Pasteurisation

Laboratories

Warehouses

Pharmaceutical

Healthcare

Validation

Accessories

- SPD
- TS Manager
- Process Monitor Lite
- Process Monitor Pro
- DiskInterface HS
- Universal multibay
- USB Radio Receiver
- Ethernet radio receiver
- 4-20 mA receiver
- Locking bolt
- Fastening system
- Teflon protective tube
- P-Radio, S-Radio battery kit

Technical specifications

Dimensions	76 h X 30 Ø (mm)
Probe dimensions	Probe base dimensions 3 h X 14 Ø (mm) - Probe 100 l X 5 Ø (mm)
Weight	76 g
Materials	Stainless steel AISI316L, PEEK
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)
Memory (n. of acquisitions)	121.171
Acquisition step	From 1 every second up, with 1 second steps
Protection degree	IP68
Battery life	+3.800.000 acquisitions at 1 second step continuously (calculated time @25°C. Battery life may be shorter if used in low temperatures)
Software&Mobile App	SPD, TS Manager, Process Monitor
Accessories	DiskInterface HS, Multibay universale, USB Radio Receiver, Ethernet receiver, 4-20 mA receiver