

S-Radio Bendable



S-Radio Bendable is a wireless temperature data logger from -40°C to 140°C (calibration from 25°C to 140°C) with 30 cm bendable probe and 50 mm or on demand length external probe (probes cannot be switched) on a 5 mm 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 certificate** 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 P-Radio you can act in real time on the process, knowing the thermal curve at the core of the product.

The other versions of the data logger are:

- S-Radio: with rigid probe of different lengths
- S-Radio 100 / 5 mm: with 100 mm length, 5 mm diameter rigid probe
- S-Radio Flexible: with flexible cable probe and rigid probe at the end

The version for up to 100°C is available too, along with flexible, bendable versions.

It is part of a series of data loggers divided in P-Radio (up to 100°C) and S-Radio (up to 140°C). They require an interface for PC connection: DiskInterface HS, Multibay. For real time data the USB Radio Receiver is needed as well.

There are also other models of high temperature data loggers, for pressure and humidity too.

Main features

- With bendable cable to place the device near the packages instead on top and with rigid probe for penetration
- 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

- Alte precisione, accuratezza, compatibile con alimenti, sonde di diverse misure
- Grandissima facilità d'uso in ogni tipo di confezione con il sistema di fissaggio
- Veloce tempo di risposta grazie al probe da 3 mm di diametro
- I report stampati possono essere usati per certificazioni sanitarie ed ISO
- Conoscere l'andamento del processo in tempo reale permette di intervenire immediatamente risparmiando tempo, denaro ed aumentando la qualità del prodotto

The system

The system is made up by:

- S-Radio temperature data logger



Applications



Food & Beverages



Sterilisation



Pasteurisation



Pharmaceutical



Medical



Healthcare



Validation



Laboratories

- 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

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 13 h X 15 Ø (mm) - Bendable probe 300 l X 2 Ø (mm) - Probe 50 l X 3 Ø (mm) - Probe l on demand X 3 Ø (mm) (l on demand: min. 10 mm / max. 175 mm. For longer probes ask for quotation)
Weight	105 gr
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