MicroW L Tri-Clamp



Temperature data logger with tri-clamp mounting for connection to pipes and machinery. The universal tri-clamp attachment allows you to monitor air or liquid flows or the inside of machinery that have connections with this attachment. On the flange there is the slot for the gasket to make a seal. The probe, 3 mm in diameter, has length on request depending on the needs of the pipe or the machinery. The data logger works from -40 ° C to 140 ° C and the probe can be calibrated up to 250 ° C (standard calibration from 25 ° C to 140 ° C). It is managed through Windows software and USB reading base (DiskInterface HS, Multibay). The **battery is user replaceable** and the data logger is supplied with an **National Reference traceable calibration certificate** on 6 points.



Applications

Industrial

Food & Beverages

Pasteurisation

Laboratories

Sterilisation

Main features

- With tri-clamp universal connection
- Completely food grade and waterproof
- **All software calculate F0**
- Low battery consumption for an extended life
- Battery esily replaceable (**battery status indication on the software**)
- National Reference traceable calibration certificate included
- Request extra points for the **extended calibration from -40°C to 250°C**
- For calibration over 140°C the minimum probe length is 50 mm

Plus

- Extremely high accuracy and precision: ± 0,1°C
- Fast response time
- Practical and quick tri-clamp attachment to install and disassemble

The system

The system is made up by:

- MicroW L Tri-Clamp temperature data logger
- DiskInterface HS or Universal Multibay
- TS Manager 3 software (FDA 21 CFR Part 11 validatable)

Accessories

- TS Manager 3
- Tecno Calib
- DiskInterface HS
- Universal multibay
- Locking bolt
- Fastening system
- MicroW L battery kit

Technical specifications

Dimensions	39 h X 20 Ø (mm) body 67,93 l X 25 Ø total (mm)
Probe dimensions	On demand l X 3 Ø (mm)
Weight	70 g
Materials	Stainless steel AISI316L, PEEK, FKM (o-ring)
Temperature range	-40°C ÷ +140°C
Sensor temperature range	-40 °C ÷ +250 °C
Standard calibration points (temperature)	25/50/75/100/121/140°C
Extra calibration points (temperature)	Within the range -40 °C ÷ +250 °C
Temperature resolution	0,01 °C
Memory (n. of acquisitions)	20.224
Temperature accuracy	± 0,1 °C (within the calibration range)
Acquisition step	From 1 every second up, with 1 second steps
Protection degree	IP68
Battery life	+10.000.000 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
Accessories	DiskInterface HS, Multibay universale