MicroW XL Tri-Clamp



Temperature recorder with tri-clamp connection for connections on pipes, machinery. The universal tri-clamp attachment allows you to monitor air or liquid flows or the inside of machinery that includes this attachment. On the base there is the seat for the gasket to guarantee the seal. The tip, with a diameter of 3 mm, has a length on request to meet the needs of the pipe or the machinery. The data logger has an operating range 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 programmed and downloaded via Windows software and USB interface for connection (DiskInterface HS, Multibay). **Battery easily replaceable** by the user and **ISO calibration certificate** on 6 points supplied with the data logger.



Applications

Industrial

Food & Beverages

Pasteurisation

Laboratories

Sterilisation

Main features

- With tri-clamp universal connection
- Completely food grade and waterproof
- **F0 calculation on the software**
- Low battery consumption for an extended life
- Battery esily replaceable (**battery status indicated on the software**)
- 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 in the calibration range
- Quick response time
- Practical and fast tri-clamp attachment to install and disassemble

The system

The system will need:

- 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
- Teflon protective tube
- MicroW L battery kit

Technical specifications

Dimensions	64 h X 20 Ø (mm) 92,43 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

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