

General Description

The LT4 is a portable ultrasound and temperature detector that integrates a group of powerful tools for diagnosis and maintenance management of steam traps. It is made up of the following elements:

- 1. Manual probe:** Includes battery and ultrasound and temperature sensors to detect steam and gas leaks, with Bluetooth communication with Smartphone (or Tablet).
- 2. Smartphone/Tablet:** Includes NFC card reader and writer, geolocation, Bluetooth link to manual probe and GeSteamTrap (App designed for inspection, diagnosis, graphics, videos on steam traps..., synchronized with SmartWatchWeb™).
- 3. SmartWatchWeb™:** Online platform for energy management, analysis and maintenance of steam traps, with multiple types of graphs and reports.



LeakTector LT4 key features

- Ultrasound and Temperature Sensors.
- Rechargeable battery via micro-USB and charger.
- LED status indicators.
- Compact wireless instrument.
- Aluminium carrying case.
- ATEX / IECEx certification (optional).

GeSteamTrap main features

- Executable on Android devices (Windows and Apple devices on demand)
- Reading/writing NFC cards (steam trap data: ID, characteristics, service parameters, inspection date, status, ...)
- Data synchronization with SmartWatchWeb™
- GPS geolocation of steam traps
- Application selector and steam ranges
- Analog/digital Ultrasound and Temp indicator.
- Automatic diagnosis of steam traps status.
- Inspection and maintenance planning.
- Ability to send queries and technical support.

SmartWatchWeb platform features

- Due to its extension, please check its specific datasheet.

Instructions for use

Bring the mobile device (Smartphone/Tablet) as close as possible to the NFC card of until the data appears on the GeSteamTrap App screen (brand, model, application, pressure, status, last inspection date, ...).

Then press firmly with the manual probe of on the steam trap to capture its ultrasonic signal and measure its temperature. GeSteamTrap algorithms evaluate and display the status of the trap.

The operator can verify and validate or modify the result on the smartphone/tablet screen, and finally can use the write function to update the inspection data on the NFC card.

The validated inspection data is simultaneously uploaded to the SmartWatchWeb® platform from where a great variety of survey reports and graphs for energy management, CO2 emissions, status and maintenance of steam traps can be extracted.

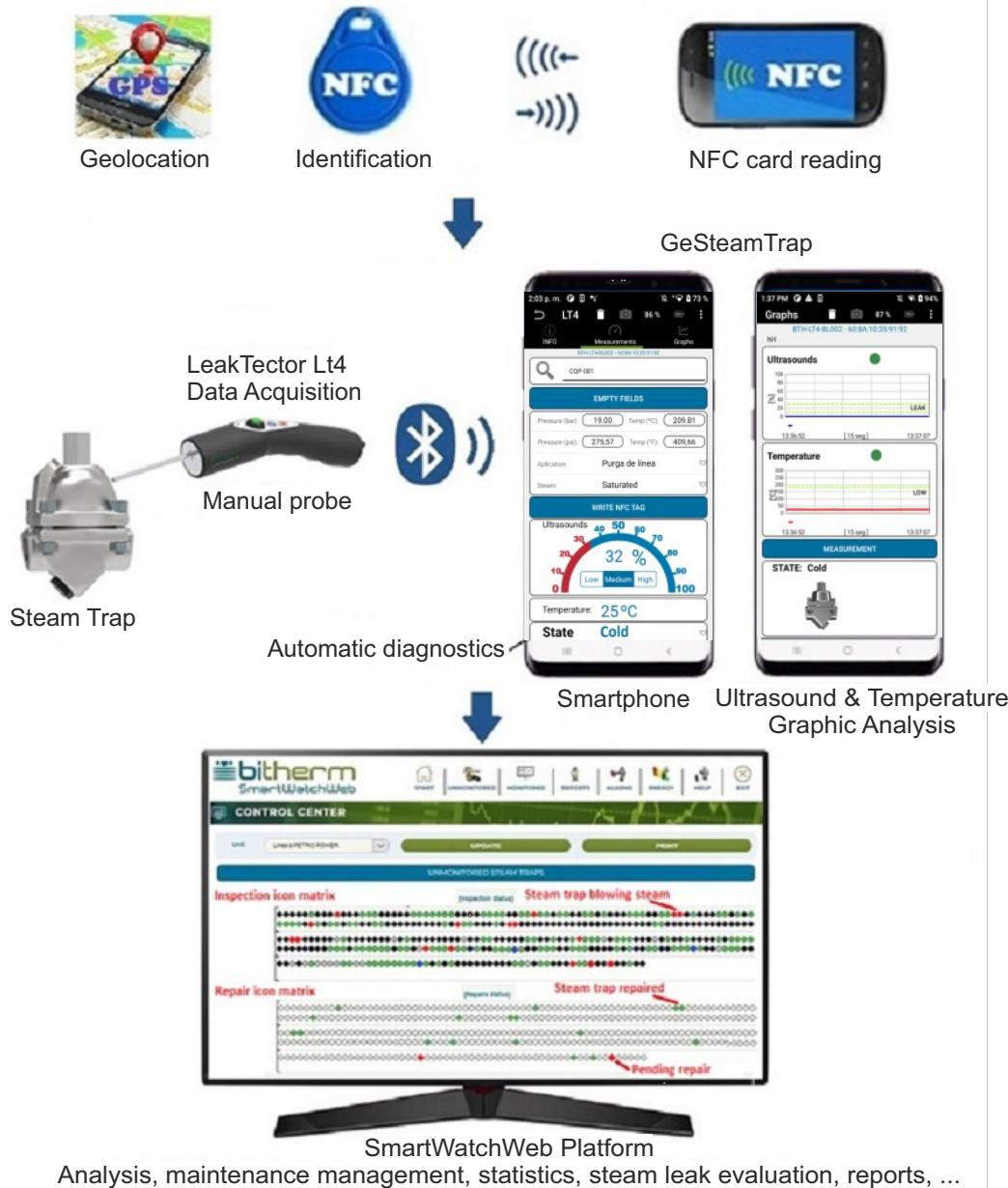




STEAM TRAP INSPECTION TOOLS

LeakTector LT4 + GeSteamTrap + SmartWatchWeb

DATASHEET



For more information please visit <https://bitherm-na.com> or contact your local Bitherm distributor.

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