

STC-1



■Features

1. Easy to handle.
2. Short diagnosis time.
3. Start and completion of diagnosis is notified by vibrator, which enables operator to use STC-1 in dark or narrow places.
4. Diagnosis result can be confirmed on screen and LED display.
5. Surface temperature sensor function and auscultation function can be used arbitrarily.

■Specifications

Model	STC-1
Steam trap automatic diagnosis time	2 seconds or 8 seconds
Working pressure for steam trap automatic diagnosis	0.05-8.0MPa
Working temperature for surface temperature sensing	0-300°C
Automatic power off	After 5 minutes (While steam trap automatic diagnosis mode and not in operation)
Ambient temperature	0-40°C (Non-Freezing)
Where to use	Inside and outside (However, it should not be exposed to rain water).
Battery	DC1.5V AAA alkaline batteries 2pcs Continuous operating time: Approximately 8 hours (*1)
Accessories (*2)	Storage case, sensor cap, earphones

*1 When using alkaline batteries (25°C,steam trap diagnosis mode).

*2 Confirm the package contents before use. If any, please contact us.

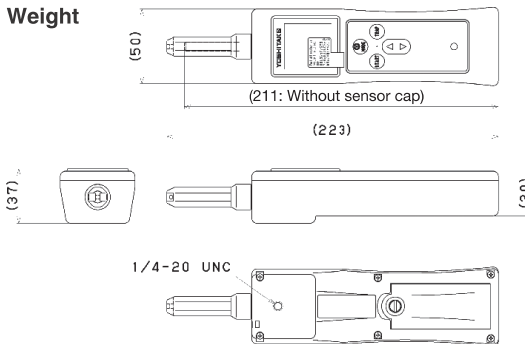
■Mode (Function)

Mode (Function)	Overview
Steam trap automatic diagnosis mode	Automatically diagnose the conditions of steam trap(※3)
Surface temperature sensor mode	Indicate the surface temperature of steam piping
Auscultation mode	Listen to the conditions of steam trap

※3 Results of automatic diagnosis of steam trap

Result	Working conditions of steam trap	LED's color
GOOD	Good condition	Green
CAUTION	Hard to judge whether GOOD or LEAK Caution required for the possibility of LEAK	Yellow
LEAK	High possibility of steam leakage	Red
LOW TEMP.	High possibility of clogged, not in service, or inadequately low capacity, because the surface temperature is low.	Yellow

■Dimension and Weight



Weight: 214g (including batteries)

Speedy diagnosis



Display on the screen while diagnosing

Easy operation

Only 2-step operation realizes diagnosis, while conventional automatic checkers required complicated procedures. Consecutive diagnosis is possible under the same conditions.

Vibration function

Start and completion of diagnosis is notified by vibration generated by vibrator so that misdiagnosis can be reduced. This enables operators to use STC-1 in blind situations including dark or narrow places. (Patent registered)

LED function

LED turns on when diagnosis completes, which is time-saving for operators.

Auto power off function

Switchable functions

Leakage and clogging of other steam valves besides steam trap can be detected by switching to surface temperature sensor mode or auscultation mode.



Auscultation or surface temperature measurement only is possible by easy switching operation.

Timer function

You can set a timer to make a delay necessary for inspection at high places or narrow places. Diagnosis starts in 10 seconds.
※ Please use this function only when the sensor top can reach the measurement point.

Large LCD screen

A large LCD screen provides a clear visual experience, and it displays working conditions of the steam trap as time waveform.



Example of Use

1. Survey of steam traps under a steam header



2. Manual valve leakage check

