



TECHNOTE 10

Example of a *modulating "OK"* ball float steam trap detected with the STRAPSHOOTER+® program:



The ultrasonic leak detection camera LEAKSHOOTER® LKS1000-v3+PRO is able to analyze STEAM TRAP like the thermodynamic, thermostatic, ball float models.

With its special dedicated firmware STRAPSHOOTER+®, you will be able to analyze your trap to know its condition. Is it OK (cycling or modulating), OPEN (leaking) or CLOSED (water hammer) or else? That is the question!

STRAPSHOOTER+® checks 2 measurements: the ultrasound (created by internal steam/condensate movements) and the temperatures (input/output trap pipes) and its algorithm analyses data to establish the trap condition.

With LEAKSHOOTER® LKS1000-v3+PRO, you can see and hear (via headphone or speaker) ultrasound in REAL TIME or in AUTO MODE and you can see the thermal picture (embedded 160x120 pixels thermal camera) of your trap.

Make your STEAM TRAP more effective by doing preventive maintenance on it and in the same time, energy savings.

Of course, you can also store all your measurements data in the memory to download to PC to create reports.



LEAKSHOOTER® NEWS
N° 10- 10/2020

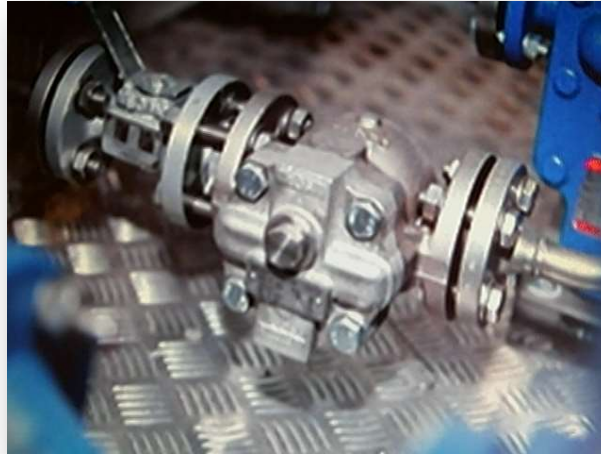
STEAM TRAP
INSPECTION

100% AUTOMATIC &
REAL TIME MODES

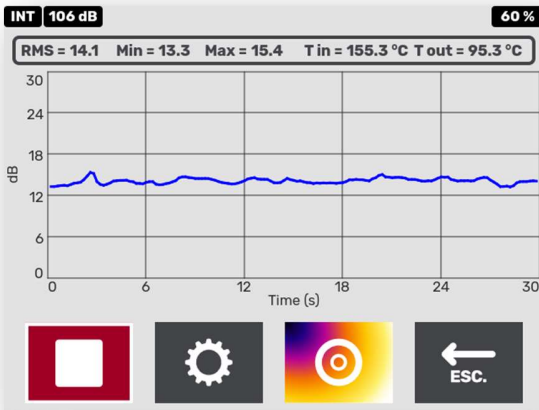
ENERGY SAVINGS
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SYNERGYS TECHNOLOGIES

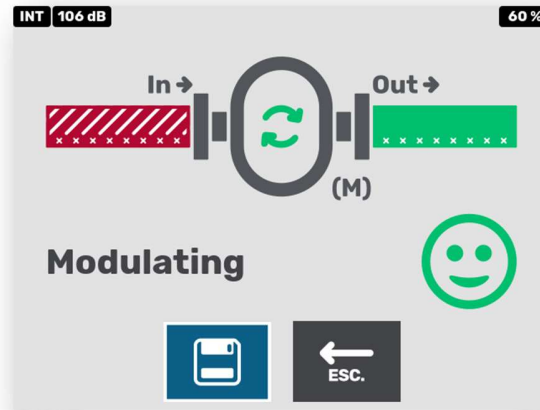




a)



b)



c)

This ball float steam trap (a) is working in a perfect condition (modulation) as we can see through the ultrasound curve (b). In fact, we can see and hear the modulating activity (steam protection and regular condensate evacuation) and the normal temperatures taken with the embedded infrared camera (b) on input and output pipes (6 BAR pressure steam). Conclusion result done by the LEAKSHOOTER® LKS1000-V3+PRO is "OK" - MODULATING (c).

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TECHNOTE 11

Example of a cycling "OK" thermodynamic steam trap detected with the STRAPSHOOTER+® program:



The ultrasonic leak detection camera LEAKSHOOTER® LKS1000-v3+PRO is able to analyze STEAM TRAP like the thermodynamic, thermostatic, ball float models.

With its special dedicated firmware STRAPSHOOTER+®, you will be able to analyze your trap to know its condition. Is it OK (cycling or modulating), OPEN (leaking) or CLOSED (water hammer) or else? That is the question!

STRAPSHOOTER+® checks 2 measurements: the ultrasound (created by internal steam/condensate movements) and the temperatures (input/output trap pipes) and its algorithm analyses data to establish the trap condition.

With LEAKSHOOTER® LKS1000-v3+PRO, you can see and hear (via headphone or speaker) ultrasound in REAL TIME or in AUTO MODE and you can see the thermal picture (embedded 160X120 pixels thermal camera) of your trap.

Make your STEAM TRAP more effective by doing preventive maintenance on it and in the same time, energy savings.

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LEAKSHOOTER® NEWS
N° 11- 10/2020

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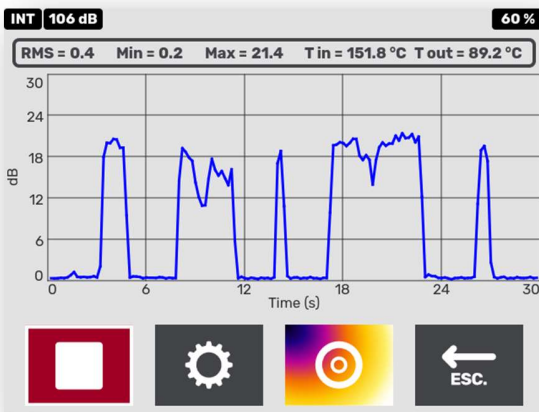
**ENERGY SAVINGS
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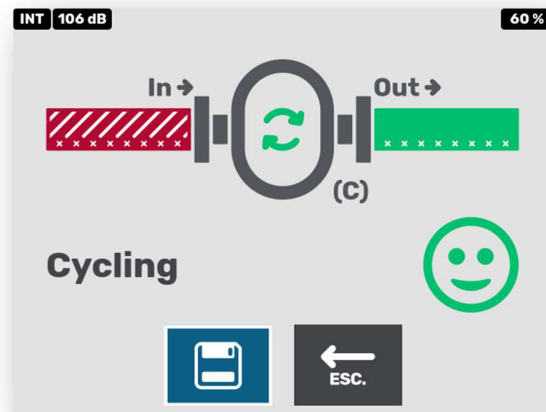




a)



b)



c)

This thermodynamic steam trap (a) is working in a perfect condition (cycle) as we can see through the ultrasound curve (b). In fact, we can see and hear the cycling activity (steam protection and cyclic condensate evacuation) and the normal temperatures taken with the embedded infrared camera (b) on input and output pipes (6 BAR pressure steam). Conclusion result done by the LEAKSHOOTER® LKS1000-V3+PRO is "OK" - CYCLING (c).

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TECHNOTE 12

Example of a leaking "NOT OK" ball float steam trap detected with the STRAPSHOOTER+® program:



The ultrasonic leak detection camera LEAKSHOOTER® LKS1000-v3+PRO is able to analyze STEAM TRAP like the thermodynamic, thermostatic, ball float models.

With its special dedicated firmware STRAPSHOOTER+®, you will be able to analyze your trap to know its condition. Is it OK (cycling or modulating), OPEN (leaking) or CLOSED (water hammer) or else? That is the question!

STRAPSHOOTER+® checks 2 measurements: the ultrasound (created by internal steam/condensate movements) and the temperatures (input/output trap pipes) and its algorithm analyses data to establish the trap condition.

With LEAKSHOOTER® LKS1000-v3+PRO, you can see and hear (via headphone or speaker) ultrasound in REAL TIME or in AUTO MODE and you can see the thermal picture (embedded 160X120 pixels thermal camera) of your trap.

Make your STEAM TRAP more effective by doing preventive maintenance on it and in the same time, energy savings.

Of course, you can also store all your measurements data in the memory to download to PC to create reports.



LEAKSHOOTER® NEWS
N° 12- 10/2020

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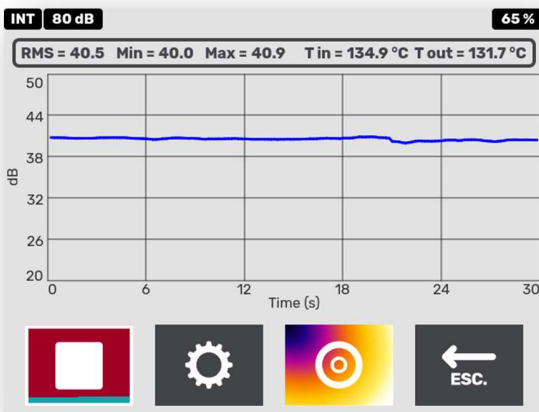
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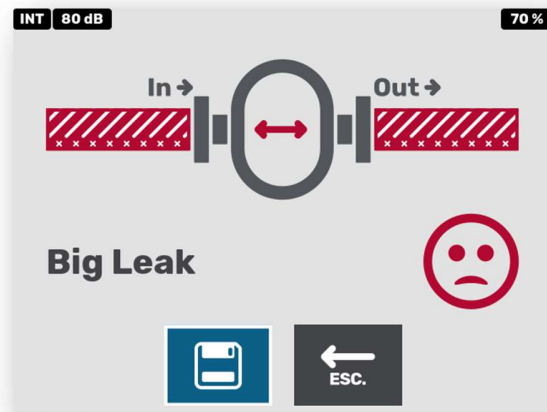




a)



b)



c)

This ball float steam trap (a) is working in a bad condition (leaking) as we can see through the ultrasound curve (b). In fact, we can see and hear the high-level hissing noise (steam leakage) and the abnormal temperature taken with the embedded infrared camera (b) on output pipe (5 BAR pressure steam). Conclusion result done by the LEAKSHOOTER® LKS1000-V3+PRO is "NOT OK" – BIG LEAK (c).

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TECHNOTE 13

Example of a **blocked closed "NOT OK"** ball float steam trap detected with the STRAPSHOOTER+® program:



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With its special dedicated firmware STRAPSHOOTER+®, you will be able to analyze your trap to know its condition. Is it OK (cycling or modulating), OPEN (leaking) or CLOSED (water hammer) or else? That is the question!

STRAPSHOOTER+® checks 2 measurements: the ultrasound (created by internal steam/condensate movements) and the temperatures (input/output trap pipes) and its algorithm analyses data to establish the trap condition.

With LEAKSHOOTER® LKS1000-v3+PRO, you can see and hear (via headphone or speaker) ultrasound in REAL TIME or in AUTO MODE and you can see the thermal picture (embedded 160X120 pixels thermal camera) of your trap.

Make your STEAM TRAP more effective by doing preventive maintenance on it and in the same time, energy savings.

Of course, you can also store all your measurements data in the memory to download to PC to create reports.



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N° 13- 10/2020

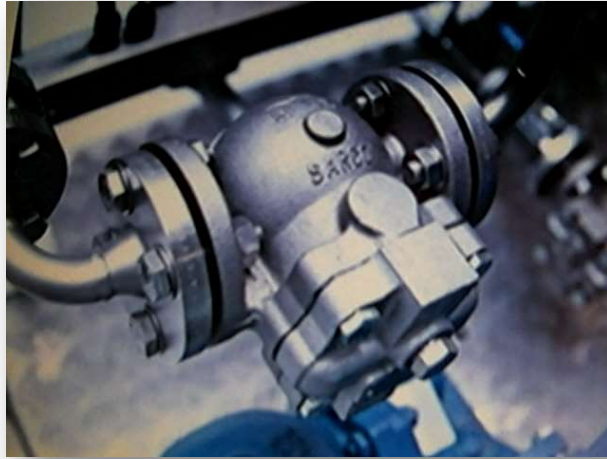
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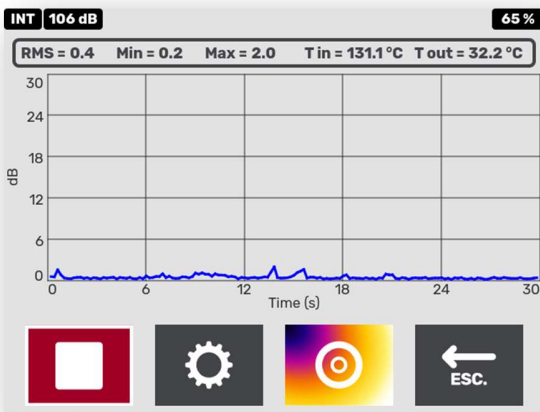
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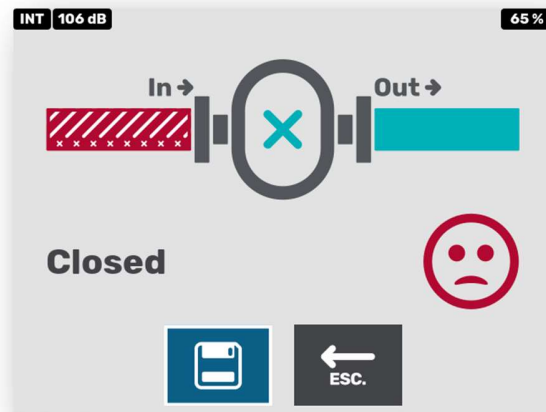




a)



b)



c)

This ball float steam trap (a) is working in a bad condition (blocked closed) as we can see through the ultrasound curve (b). In fact, we can see and hear the low level noise (no activity) and the abnormal temperature taken with the embedded infrared camera (b) on output pipe (5 BAR pressure steam). Conclusion result done by the LEAKSHOOTER® LKS1000-V3+PRO is "NOT OK" – CLOSED (c).

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