



# LOCATOR<sup>®</sup>

## Compressed air leak detector

Air leaks are a concern for anyone operating a compressed air system. The average plant (with no formal leak management program) will have air leaks that waste up to 30 percent of the total air capacity.

Leaks will cause compressors to run at full load for longer periods of time. The compressors will not only use more energy but, may also need additional maintenance due to the increased loads.

Leaks can give the false impression that additional compressors are required to meet the demand for compressed air.

The LOCATOR<sup>®</sup> supports the reasons for installing zero air loss drains and the AIR-SAVER<sup>®</sup> as these two products offer cost reducing features. An AIR-SAVER<sup>®</sup> is installed to prevent the air losses caused through pipe line leakages etc. The LOCATOR<sup>®</sup> is therefore a natural progression from the installation of an AIR-SAVER<sup>®</sup>.

The AIR-SAVER<sup>®</sup> offers air loss prevention - the LOCATOR<sup>®</sup> offers the air loss detection!

### Features:

- Ultrasonic air leak detection of compressed air systems
- 20-100 kHz frequency response
- Long distance (approx. 10 meter) audible and visual indication of air leakages
- Adjustable detection sensitivity to really locate the leakage area.
- Supplied in case, complete with headset, rubber focussing cups and battery
- A 9 volt battery included and the LOCATOR includes an automatic battery check

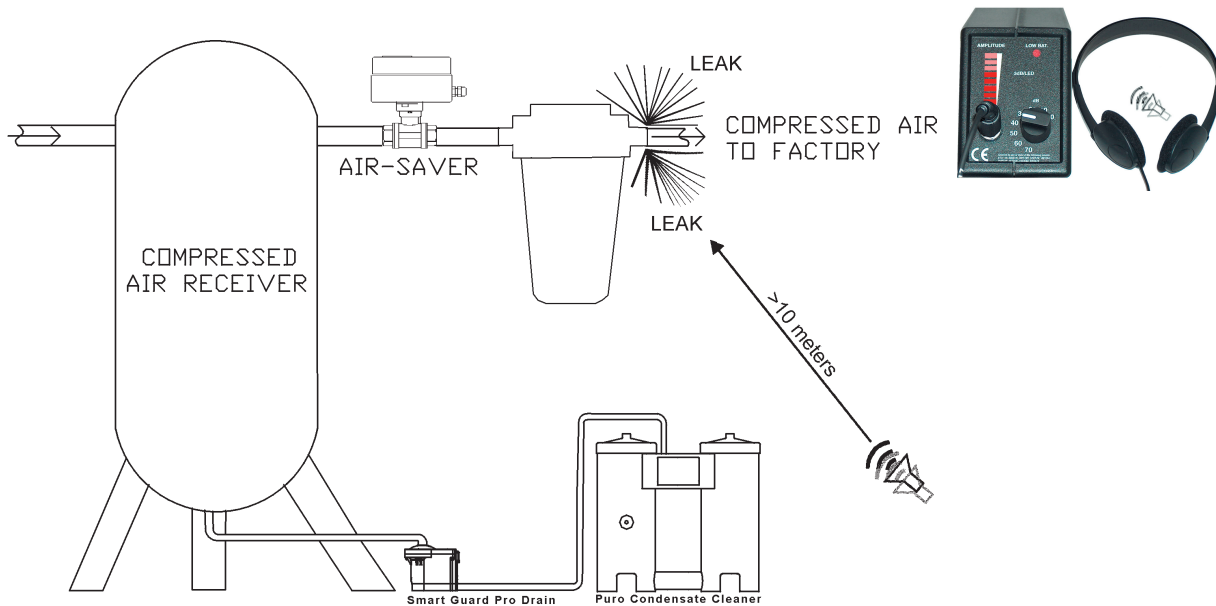
### Common leak points:

- Quick connection fittings have o-rings to seal the hose connections. A damaged or missing o-ring will cause the connection to leak.
- FRL's (filter, regulation & lubricator).
- The welds found on pipe joints and pipe flanges can leak due to vibrations, age or improper welding.
- Float or mechanical type condensate drains are also a source of air leaks.
- Pipe thread connections, air tools and many more sources can be the cause of air leakages.



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### LOCATOR<sup>®</sup> function principle

What produces ultrasound in a leak? When a gas passes through a restricted orifice under pressure, it is going from a pressurised laminar flow to low pressure turbulent flow.

The turbulence generates a broad spectrum of sound. There are ultrasonic components in the sound and since the ultrasound will be the loudest by the leak site, the detection of these signals using the LOCATOR<sup>®</sup> is usually quite simple.



*Supplied in a case with all the required accessories*

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