Intensity Inspector



Precise acoustic measurement technology combines operating efficiency, mobility and simple handling.

The **Intensity Inspector** augments the **Noise Inspector** product family and can be specifically used for low frequency areas and therefore as a "troubleshooting" tool for fast localisation of acoustic sources.

Intensity Inspector

CAE
Software & Systems

Task: Measurement technology – fast and operator-friendly

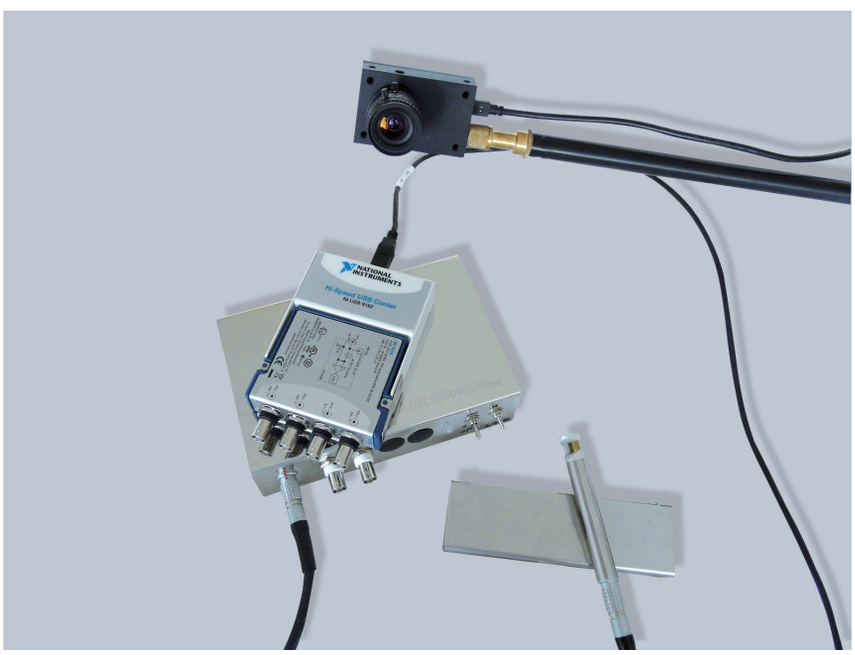
Minimum time expenditure and maximum cost savings are factors which are becoming more and more predominant today in order to guarantee an economic work flow. So far, methods for the measurement of acoustic signals were highly time intense and therefore costly.

For this reason, the development engineers had made it their task to work out a process which provides measurement results that are at least as precise as currently, however:

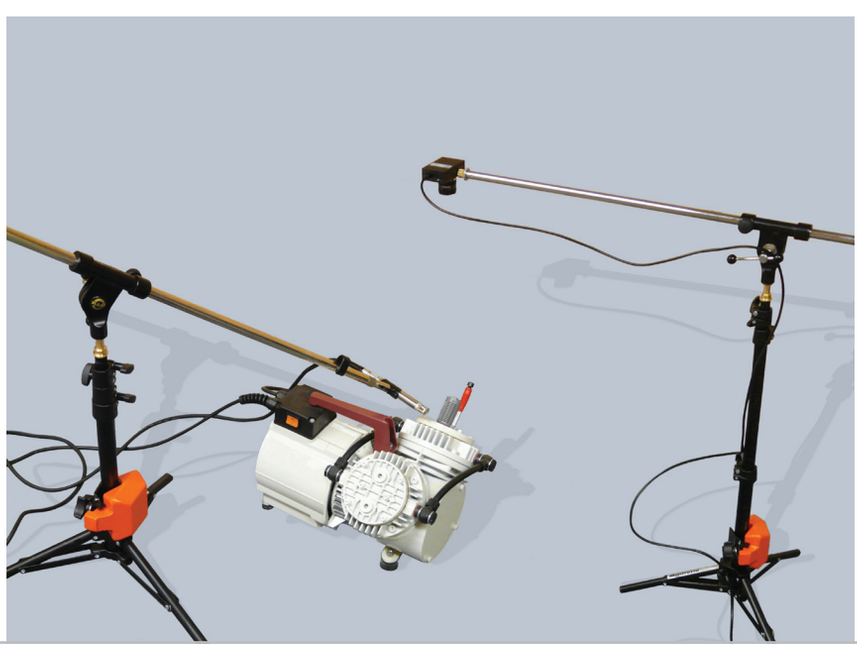
- which can be carried out considerably faster

and

- at the same time is especially user-friendly



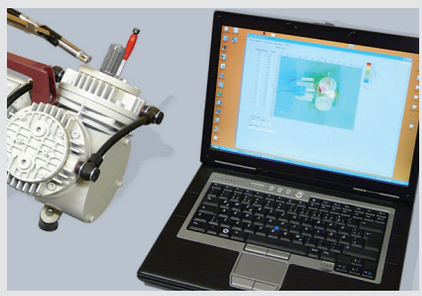
Compact measurement technology



Simple measurement setup

Necessary: practical experience and ample creativity

A problem which required comprehensive practical experience, a high degree of creativity and innovative ideas.



Mobile



Supports particle velocity probes or intensity probes



Always mobile: all instruments have their own place in a case

Current situation:

When localising sound sources, the acoustic data collected by the measurement probes is prepared visually and a digital picture of the measurement object depicted superimposed. Traditional measurement systems require a dense measurement grid to illustrate the results using this method. It must initially be defined in the software and, also really be constructed to determine the measurement positions precisely, e.g. using a grid consisting of rubber straps. This is awkward and therefore time and cost intense.

New process: comfortable solution for probe measurement

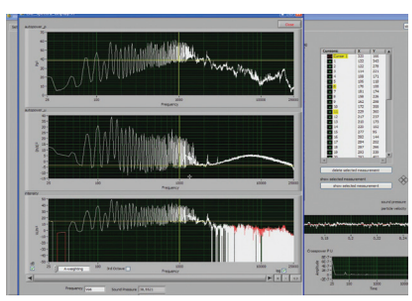
For this innovative method a digital camera is positioned so that the object to be examined is optimally displayed. The camera continuously transfers images of the measurement setup to the display of the measurement PC on which the specially developed measurement and analysis software is installed. This enables exact marking of the measurement probe's position in front of the object to be measured, thus guaranteeing precise results

The advantages:

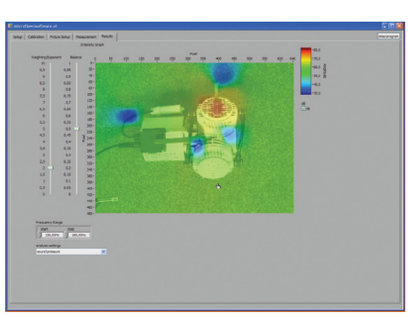
- Simple, fast input of the current measurement position with one single mouse click
- No measuring needed for the probe position, no construction of supporting grids
- Detailed measurement where it is of interest (fewer measuring points suffice in other zones)
- Depiction of the results at all times, even during measurement
- Support of particle velocity probes and classical sound intensity probes
- Especially suitable for measurements in loud surroundings (production)



Measurement position per mouse click



Results already whilst measuring



Results already whilst measuring

A result which also convinces you.

A measurement system which unites precise measurement technology with efficiency, mobility and easy operation in one.

This future-orientated system is used for example:

- in the areas of machine and plant construction,
- for agricultural machine technology,
- for acoustic measurements in the automotive industry,
- in shipbuilding technology,
- for wind power plants

... and further areas

With its universal application options for various sectors, the **Intensity Inspector** contributes to significant time-saving caused by taking measurements.

Intensity Inspector

Software customised? Purchase or rent? You decide.

Acoustic measurement technology - "Do it yourself".

Your acoustic and vibration measurement systems can be developed by us, purchased or even rented from us. At the same time, we are a systems supplier for your individual measurement systems from the hardware via software up to sensors. CA Software & Systems – your contact for fitting solutions so that you can design your test methods freely.

Your options:
– Development of your specific solution
– Selection from our programme
– Purchase or rent software
– Modifications of our software

Please send a fax to: +49 (0) 2521 859-360

Have we awoken your interest?
We would be happy to send you detailed information.

Further information about our software and hardware products:

- Noise Inspector – acoustic camera
- Signal Inspector
- Intensity Inspector

I am interested in the option:

- Rent software
- customised software
- Purchase software

Name

Postcode / Town

Company

Road

E-mail

Telephone

Further information is also available from: **www.noise-inspector.de**
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