

Device to Measure Stresses by Ultrasounds

- *Fast*
- *Economic*
- *Simple*
- *Transportable*
- *Non destructive*

Controls and measurements for your quality!

Measure stresses in mechanical parts and materials to foresee their wear and their brittleness. Thus you will gain in quality and safety!

Moreover, save time because this system is transportable, easy to use and measurements are done very quickly!

Finally, save a lot of money by increasing the lifespan of your mechanical parts and by anticipating their deformation and/or breakage. But also by not wasting more time to make some tests of fragility, which are destructive and take a lot of time : tests by ultrasounds are non destructive and fast!

ULTRA-RS

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Product Description

- Fast**
- Economic**
- Simple**
- Transportable**
- Non destructive**

The device of measurement is composed by an electronic module and by an ultrasonic sensor adapted to the shape of a mechanical part.

The electronic module contains a generator of electric impulsions and a central processing unit in which the capture card is installed. During the starting of the module, all the material starts, and the « Ultra-sys » software, allowing measurements, is launched automatically.



At the beginning of a test, some electric impulsions are emitted by the generator. Then, these ones are converted in ultrasounds and sent in the mechanical part. Arrived at the end, ultrasounds make an echo and go back to the sensor. The ultrasonic signals corresponding to the value of stress are treated and posted on the control screen of the electronic module. All these steps are done in real times, there is no waiting to see the results!



Ultra-sys software

Then, it is possible to save and print a summary of each test to keep a traceability.

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- ### Examples of companies which already trust Ultra-RS:
- AREVA
 - Snecma
 - EADS
 - EDF
 - Cezus Framatome
 - SNCF
 - GDF
 - DNV