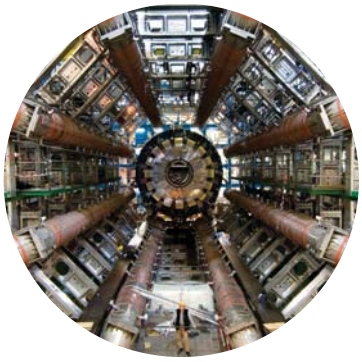
LAViSTA
VIBRATION SENSORS

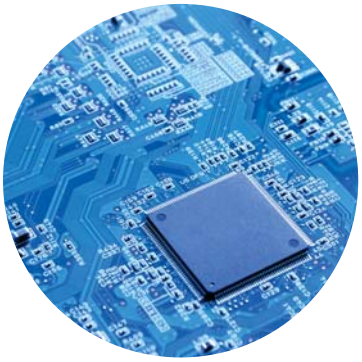
- Ultra low self noise level
- Flexible performances and dimensions
- Designed for measurement and active vibration control

Based on a patented mechanical core technology, the LAViSta sensors family is suitable for broadband applications, where several traditional sensors would be necessary.



ACTIVE VIBRATION CONTROL

Initially designed for particle accelerator magnet stabilisation, the response of these sensors is adapted to perform efficient active vibration control.



HIGH PRECISION APPLICATIONS

Thanks to its ultra low self noise level and its wide passband, LAViSta sensors deliver outstanding performances in vibration monitoring for high precision applications.

CUSTOMISATION

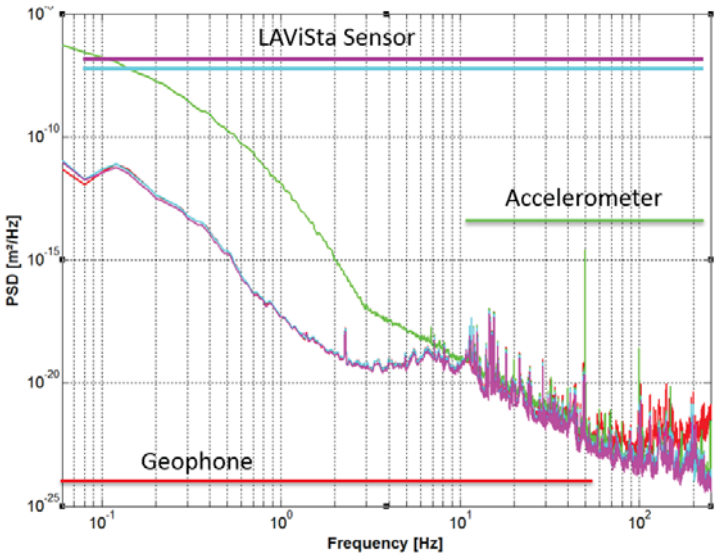
The simple and reliable core technology allows easy integration into various systems. To learn more about customisation possibilities or to get involved in the project, please contact us!

LAViSta sensors family is being developed by LAViSta R&D team at LAPP (Laboratory of Annecy-le-Vieux of Particle Physics – public research laboratory in France).

http://lapp.in2p3.fr/
lavista_sensor@lapp.in2p3.fr

PERFORMANCES

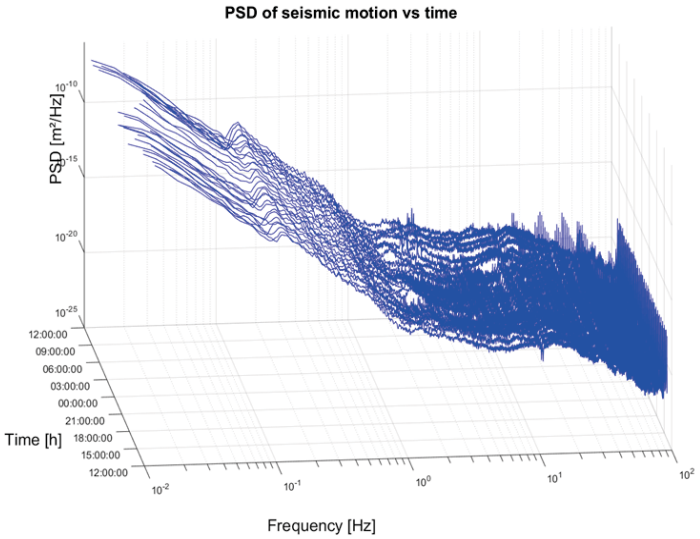
- Passband : 0.15 Hz – 250 Hz
- Self noise : 0.4 nm RMS @ 1 Hz
  0.03 nm RMS @ 10 Hz
- Resolution : 1.2 V/µm
- Linearity error @ nominal range : 0.1%
- Vertical and horizontal operation for measurements along Z and X axis



SPECIFICATIONS

- Dimensions : Ø80 x 100 mm
- Output : Voltage 0 – 10 V

These performances, dimensions and general specifications are fully adjustable with a low development cost, to fit specific application requirements.



CONTACT

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About LAPP and LAViSta

LAViSta is a research group in vibration control from LAPP (Laboratory of Annecy-le-Vieux of Particle Physics), involved in worldwide particle and astroparticle experiments ...


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AMS, on the ISS


ATF2, Japan


ATLAS, CERN, Switzerland


VIRGO, Italy


OPERA, Italy