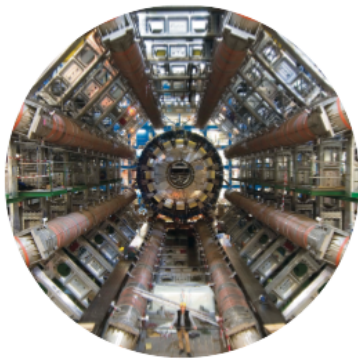


# LAVISTA

## 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 Anecy-le-Vieux of Particle Physics – public research laboratory in France).*

## 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/ $\mu\text{m}$
- Linearity error @ nominal range : 0.1%
- Vertical and horizontal operation for measurements along Z and X axis

## SPECIFICATIONS

- Dimensions :  $\varnothing 90 \times 150$  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 Ancey-le-Vieux of Particle Physics), involved in worldwide particle and astroparticle experiments ...



HESS II, Namibia



AMS, on the ISS



ATF2, Japan



ATLAS, CERN, Switzerland



VIRGO, Italy



OPERA, Italy

