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Large band low frequency sensors based on Watt's linkage for future generations of interferometric detectors

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We present a compact and light low frequency sensor based on a horizontal folded pendulum mechanical design. The device can be used as an inertial sensor for the control system of seismic attenuators of present and future gravitational wave detectors.

The instrument has been developed by the Applied Physics Group of the University of Salerno while the readout, control electronics and software by the INFN Pisa Group.

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