

ADV3S is an innovative startup company, spin off of the University of Salerno, whose headquarters are located in Baronissi (Salerno), Italy c/o the University of Salerno.

Established in 2017, ADV3S is aimed at translating the scientific results and expertise of its funding members, obtained in more than 30 years of international successful research and development of scientific instruments, into state-of-the-art commercial instruments for a very wide range of applications for monitoring and control.

ADV3S is open to customers requests for special and new applications, that motivate the development of new products for scientific, civil, industrial and educational fields.

For more information on our products, requests, case and feasibility studies and evaluation of the quality of our instrumentation, visit www.adv3s.com

Advanced Scientific Sensors and Systems S.r.l.

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The design philosophy behind the development and production of our sensors privileges performance, quality, robustness and modularity. This idea, result of more than 30 years of activity and expertise in scientific research, is translated in our standard and application oriented products

All our products are modular. They can be assembled, modified and customized according to application requirements to implement products of different sizes, weight, sensitivity and band, perfectly matching the very different needs of the scientific, commercial, industrial and educational market.

The heart of our products is based on the innovative UNISA Folded Pendulum Technological Platform, for an easy and effective design, simulation and implementation of low cost mechanical monolithic oscillators. Each sensor is the result of an optimized integration of our mechanical oscillators with commercial or custom readouts, acquisition, processing and data transmission boards, also wireless.

The acquired data sets can be transmitted analogically or digitally using communications standards (Ethernet), making easy the ADV3S sensors integration in geographical distributed networks and with open source software.

ADV3S commercializes both complete sensors and monolithic mechanical oscillators, to provide the customers also with the possibility of developing and implementing their own sensors.

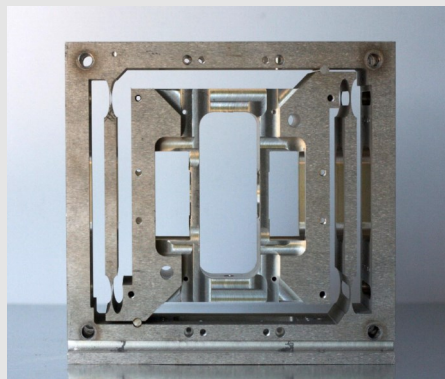
LX100 OSCILLATOR

Description: low frequency tunable mechanical monolithic horizontal oscillator.

Applications: low-frequency broadband scientific, civil and commercial monitoring, for seismology and geophysics applications.

Dimensions: 140 (H) x 138 (L) x 40 (P) mm

Weight 1200 g



MONOLITHIC OSCILLATORS FOR CUSTOM APPLICATIONS

The "Monolite" series, is the first series of mechanical monolithic oscillators introduced by ADV3S on the international market for scientific, commercial and educational applications.

Different monolithic models are available in different materials for a wide range of requirements and applications.

E Series

Standard Mechanical Monolithic Oscillators for broadband low frequency scientific, commercial and industrial applications.

C Series

Compact Mechanical Monolithic Oscillators for non-invasive low frequency broadband monitoring for scientific, civil and historical and cultural heritage monitoring.

L Series

High performance Mechanical Monolithic Oscillators for low frequency broadband monitoring for state-of-the-art scientific, civil and industrial applications.

SE-10H SEISMOMETER

Description: broadband horizontal seismometer.

Applications: scientific, civil and commercial monitoring.

Band : 50 s — 10 Hz

Output signal: position, velocity

Output Type: digital, analogic



EX100 OSCILLATOR

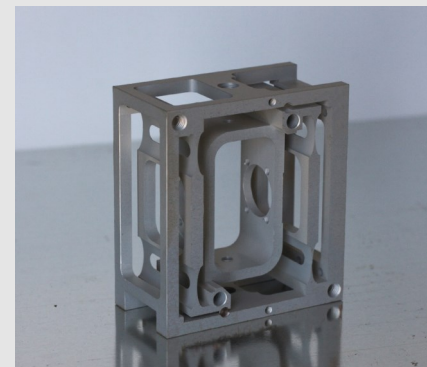
NEW: available low cost models

Description: tunable mechanical monolithic horizontal oscillator

Applications: broadband monitoring for scientific, civil, industrial and educational applications

Dimensions: 77.5 (H) x 80 (L) x 40 (P) mm

Weight: 200 g



Technical Details: EX100 Technical Brochure

A new philosophy of design and production of sensors to meet your needs

Innovation from scientific research for advanced applications

**2019 Annual Meeting of the
SEISMOLOGICAL SOCIETY OF AMERICA
The Westin Seattle - 23-26 April 2019**

**POR Campania FESR 2014-2020 - Asse III - Obiettivo Specifico 3.4 - Azione 3.4.2
EROGAZIONE DI VOUCHER PER LA PARTECIPAZIONE DI MICRO E PMI CAMPANE AD EVENTI FIERISTICI INTERNAZIONALI**



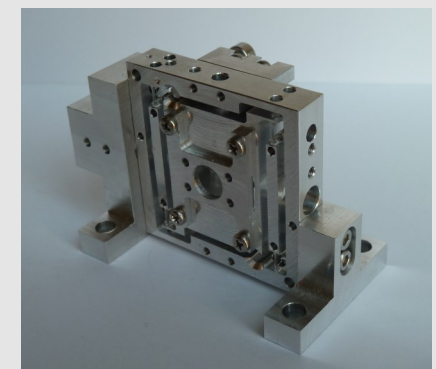
CX100 OSCILLATOR

Description: compact tunable mechanical monolithic horizontal oscillator

Applications: broadband monitoring for scientific and commercial non-invasive monitoring for seismology and historical and cultural heritage applications

Dimensions: 50 (H) x 50 (L) x 10 (P) mm

Weight 40 g



Technical Details: CX100 Technical Brochure

**Progetto: MECHANICAL MONOLITHIC SENSORS
Progetto Cofinanziato con il POR Campania FESR 2014-2020
Obiettivo Specifico 1.1 e 1.4 - AVVISO CAMPANIA STARTUP INNOVATIVA**