Lacoste & Romberg gravimeter and softwares

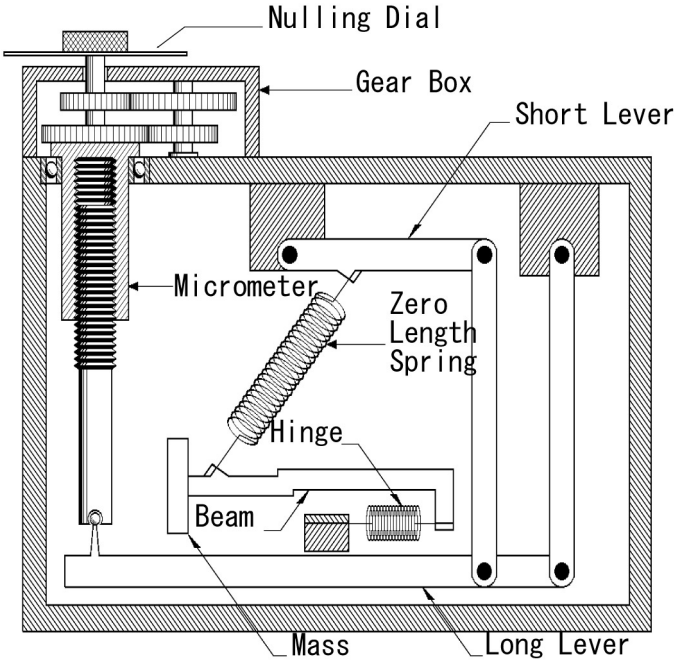
Contact person: Shuhei OKUBO
Outline of the instrument:
Spring-based relative gravimeter. Refer to
https://www.ifg.tu-clausthal.de/fileadmin/grav/gdmanual.pdf
Condition for rent: Consultation with the contact person required.
Deadline for application: None
Maximum number for rent: 2

Address of the contact person is given by
1-1-1 Yayoi, Bunkyo-ku, Tokyo 113-0032
Earthquake Research Institute, the University of Tokyo
Research Support Team, Joint Usage Section
TEL : 03-5841-5710, 1769
FAX : 03-5689-4467
e-mail : k-kyodoriyo@eri.u-tokyo.ac.jp

LaCoste-Romberg Land Gravimeter

A "Zero Length Spring" is hanged in a temperature-controlled housing. There are two forces acting on the "Beam": gravity and elastic force. By balancing the two forces using the "Nulling Dial", we can measure the gravity difference of two points with accuracy of 10 microgals.

Weight and dimension： 10Kg. (L/W/H)= 40cm/20cm/40cm.
Notice： Sensitive to vibration and shocks.



A Lacoste & Romberg gravimeter beside a levelling benchmark. It takes 5 to 20 minutes to finish a measurement, depending on operator's skill and experience.