

## LaCoste & Romberg

The first name in gravity since 1939

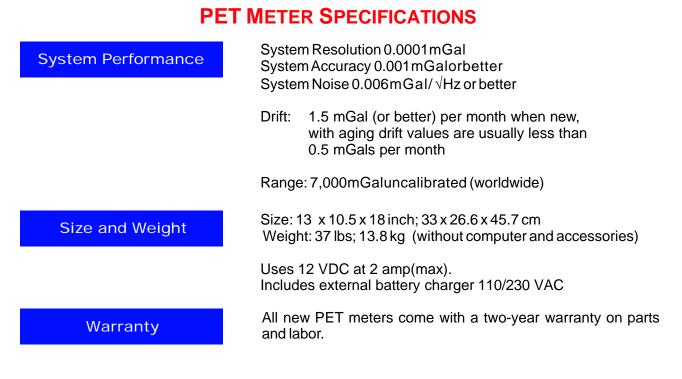
## **Portable Earth-Tide Meter**

LaCoste and Romberg, manufacturer of precision gravity meters since 1939, is the leader in earth tide instrumentation. These sensors are especially valuable in long period, high sensitivity earth tide monitoring applications. L&R first introduced earth tide meters in 1952. Many LaCoste and Romberg earth tide meters have been installed in geophysical observatories worldwide. The Model PET earth tidemeter is smaller andmore portable than previous models.

The principle behind L&R's PET Meter is the famous patented L&R zero-length<sup>™</sup> spring suspension system. The PET Meter is based upon the G-Meter, but with significant upgrades designed specifically for earth tide use. It has an improved thermal system - a double-oven - for more precise temperature stability. It employs the Aliod Beam Nulling system for precise digital measurement of gravity at .0001 mGal resolution. L&R's user-friendly TIDEDAQ software allows for unattended operation and data logging.



- Aliod Beam Nulling System: Electronic feedback system for precise digital measurement with a resolution of 0.0001 mGals
- TideDaq: L&R Software for recording PET meter output allowing automated, unattended earth tide monitoring. TideDaq displays Realtime plots and records data. Data recorded: Location, Time, Date, Raw Gravity, Sensor Temp., Outer Oven Temp., Atmospheric Pressure, Cross and Long Level, Cross and Long Level Correction.
- Computer: L&R provided computer has our TideDaq data acquisition software preinstalled.
- Transportation case



Specifications are subject to change



## LaCoste & Romberg

11002Metric Blvd., Suite 100 Austin, TX 78758, USA Tel: 512-346-0077; Fax: 512-346-0088 Email: info@LaCosteRomberg.com Internet: www.LaCosteRomberg.com