



# LaCoste & Romberg

The first name in gravity since 1939

## ALIOD 100 Electronic Beam Nulling

### GETTING THE MOST FROM THE BEST SENSOR

LaCoste & Romberg, manufacturer of high precision gravity meters since 1939, introduces an improved Aliod 100 linear electronic beam nulling system. This system is available with new or as an upgrade to your existing meters.\* **Now Featuring Continuous Tide Corrected Data Logging via GARMIN iQue™ 3600 Handheld with GPS.**

The Aliod 100 incorporates a user-friendly LCD interface which displays the gravity directly in mGal. The new Aliod 100 beam nulling system has a range of 100 mGal with a resolution of either 0.01 or 0.0001 mGal.\*\* Anyone who can level and unclamp the gravity meter is able to obtain consistent and accurate gravity data. The electronic system can now be turned off for manual readings.

The Aliod 100 uses a 24 bit data acquisition system for gravity and the levels (12 bit resolution for the meter temperature and battery voltage). The Aliod100 features continuous, tide corrected data logging via the included GARMIN iQue™ 3600 handheld computer. New handheld computers include built-in GPS for latitude, longitude, and time for tide corrections. Data recorded with the handheld includes: Station Name, Date, Time, Gravity, Tide Corrected Gravity, Tide, Latitude, Longitude, Elevation, Long Level, Cross Level, Sensor Temp., Battery Voltage, and Counter.

Data stored on the iQue 3600 handheld can be uploaded to a PC in spreadsheet format. Lost data is a thing of the past using the SD flash card and Auto-backup.

The Aliod 100 includes our standard 2 year warranty



#### System Specifications

<b>Principle :</b>	Linear electrostatic beam nulling
<b>Range:</b>	100 mGal
<b>Data Resolution:</b>	0.01 (0.0001 mGal for Aliod 100x**)
<b>Repeatability:</b>	0.01 to 0.02 mGal
<b>Linearity:</b>	Better than 0.01% Full Scale
<b>Electronic Drift:</b>	<0.001 mGal /1000 hr.
<b>Temp. Range:</b>	-40°C to +45°C
<b>Integrated LCD:</b>	2x20 character LCD with backlight
<b>Output:</b>	RS-232, External Port
<b>Data Logging:</b>	Continuous w/iQue™ handheld
<b>Data storage:</b>	SD Flash Card
<b>Tide Correction:</b>	Automatic
<b>Power Consumption:</b>	12 Volts@0.190 Amp/2.3 Watts
<b>Input:</b>	10-15 VDC

\* Electronic Levels required

\*\* Export License may be required

Specifications subject to change.

iQue is a trademark of GARMIN

## LaCoste & Romberg

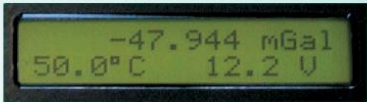
11002 Metric Blvd, Ste 100

Austin, TX 78758, USA

Tel: 512-346-0077; Fax: 512-346-0088

Email: info@LaCosteRomberg.com

Internet: www.LaCosteRomberg.com

- ◆ User-friendly interface
- ◆ Continuous, Tide corrected data logging w/iQue™ 3600 handheld
- ◆ Displays gravity directly in mGal
- ◆ Range of 100 mGal
- ◆ Data Resolution of 0.01 or 0.0001 mGal\*\*