



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

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

* Electronic Levels required

** Export License may be required

Specifications subject to change.

iQue is a trademark of GARMIN

LaCoste & Romberg

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- ◆ 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**