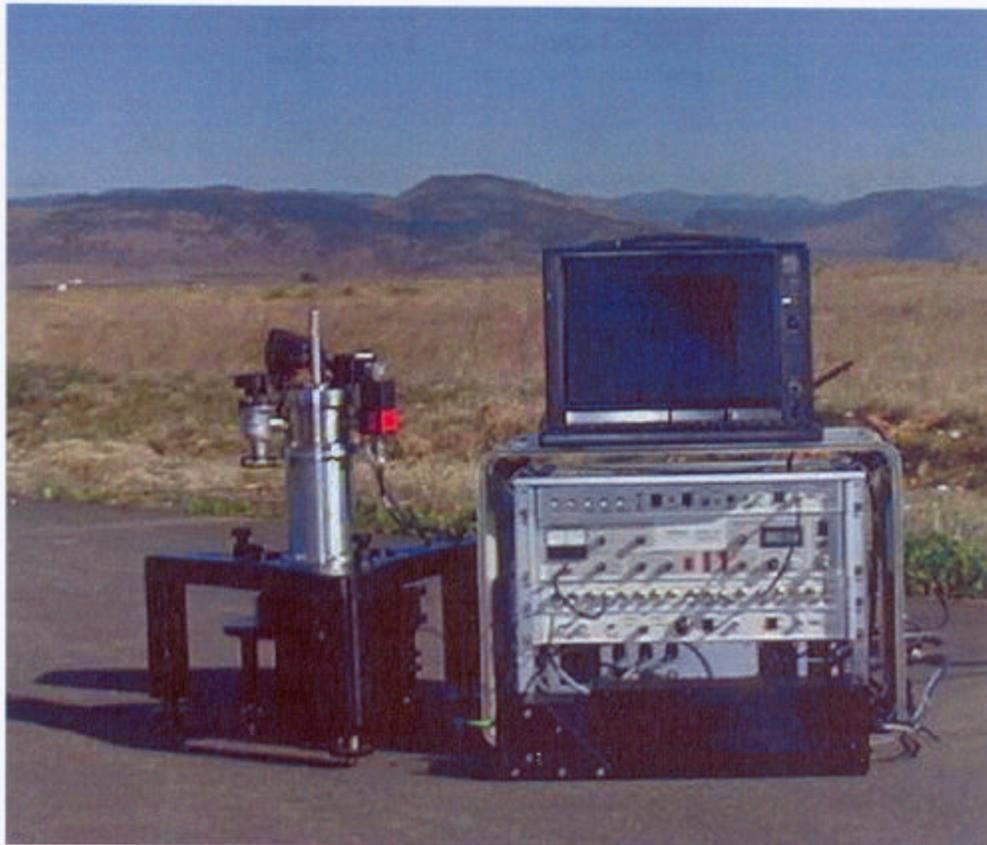


# FG5-L Absolute Gravimeter

*Smallest absolute gravity meter ever made!*



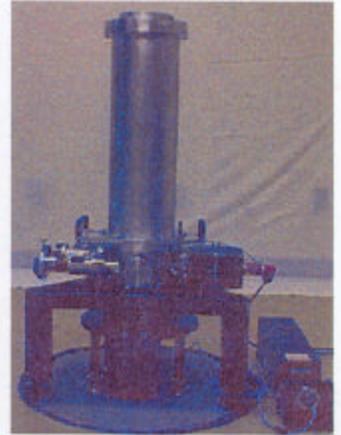
## Description

The FG5-L series absolute gravimeter is a simplified version of the FG5 absolute gravimeter optimized for small size, speed of data acquisition, ease of use, and portability. It incorporates the new small dropping chamber developed for the A10. The FG5-L is also compatible with the larger dropping chamber used on the FG5.

Many of the subcomponents of the FG5-L are compatible with the FG5 in order to allow an upgrade path to the FG5. This gravimeter offers an attractive trade-off between low price and precision in an instrument that is easy to use in the field.

## Features

- Free-Fall Operation
- Low price
- Quick Setup
- Easy to operate
- Rugged
- Fully automatic operation
- Real-time gravity reduction software
- Upgrade path to the FG5 available
- Compatible with large FG5 chamber\* (see photo)
- 20 $\mu$  Gal accuracy.
- 10 $\mu$  Gal repeatability at a given site



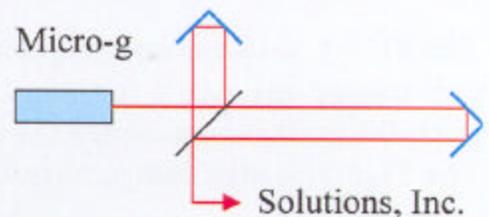
\*FG5-L using Large FG5 style dropping chamber

## Specifications

- Accuracy: 20 $\mu$ Gal (Absolute)
- Repeatability: 10  $\mu$ Gal
- Dimensions and Weight:
- Sensor head: 70 x 50 cm @ 26kg
- Electronics: 42 x 50 x 60 cm @ 20kg
- Computer: 30 x 40 x 25 cm @ 11kg
- Power: 100-240 VAC (<200W)

## FG5-L Absolute gravimeter subcomponents

- Evacuated dropping canister
- Internal drag free chamber
- Balanced test mass
- Rigid Tripod system
- Optical Interferometer
- Integrated Tilt-sensors
- Optical fiber input
- High speed photodetector
- M1-1 polarization-stabilized laser
- Electronics package
- System controller
- Real-time gravity reduction software



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