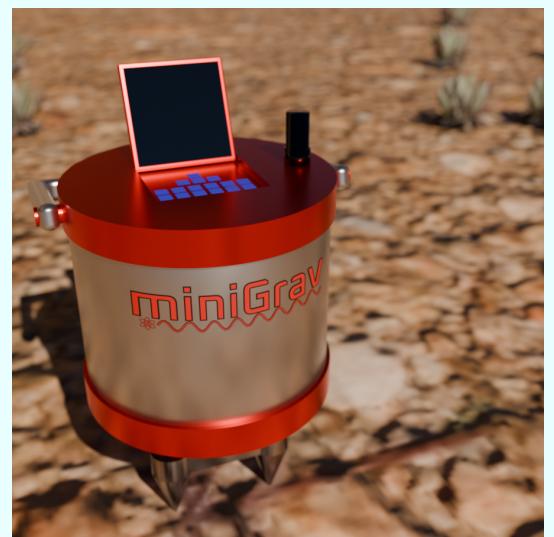


The World's Smallest Absolute Gravimeter

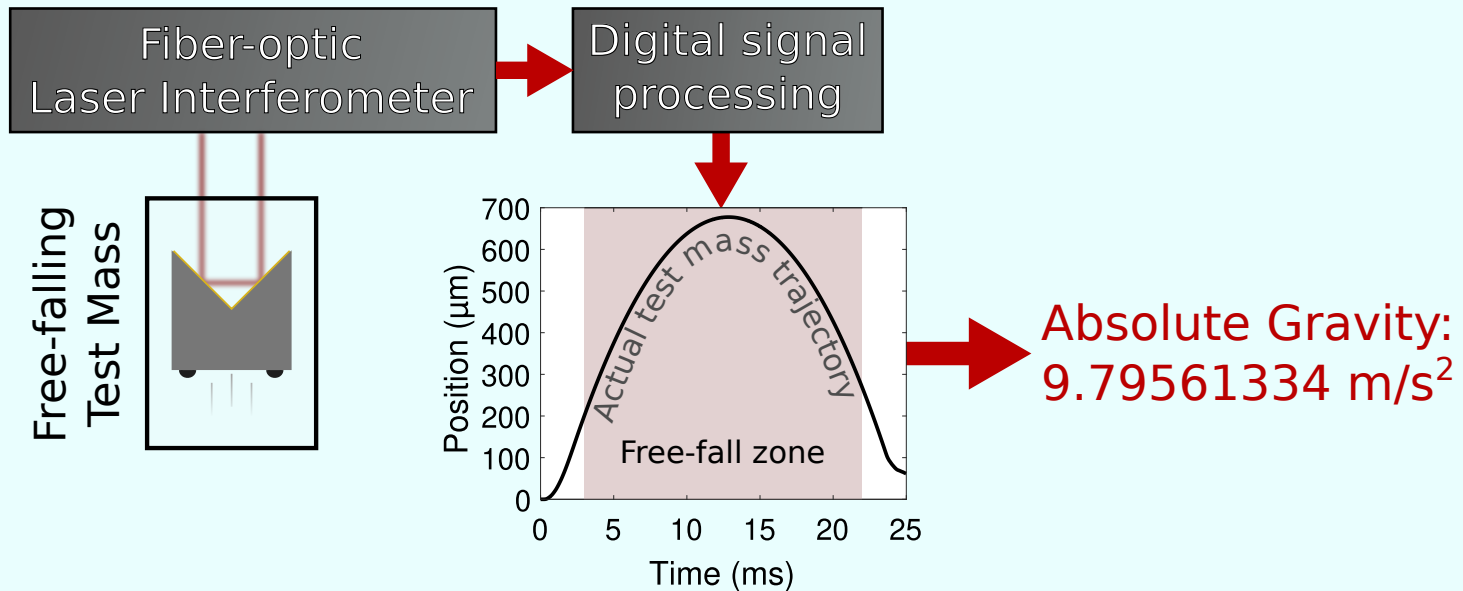
miniGrav sets a new standard for absolute gravimetry. Designed by quantum sensing experts, miniGrav reimagines ballistic absolute gravimeters with modern laser, vacuum, and digital signal processing technologies to deliver a 20x reduction in size, weight, and power over existing ballistic gravimeters. Providing quantum-assured accuracy, miniGrav delivers *absolute gravity, absolutely anywhere*.



Key Features:

- ▶ Drift-free, tare-free, calibration-free absolute gravity sensor
- ▶ Self-contained single unit—no extra racks or laptops needed
- ▶ Lightweight sensor capable of being picked up by a single person
- ▶ Minimal warm-up and setup time

miniGrav works by measuring the trajectory of a small, freely-falling retroreflector using a fiber-optic laser interferometer. Using modern laser and vacuum systems, together with digital signal processing technologies, miniGrav achieves a 200x reduction in free-fall distance over existing absolute gravimeters: from 20 cm to 1 mm.



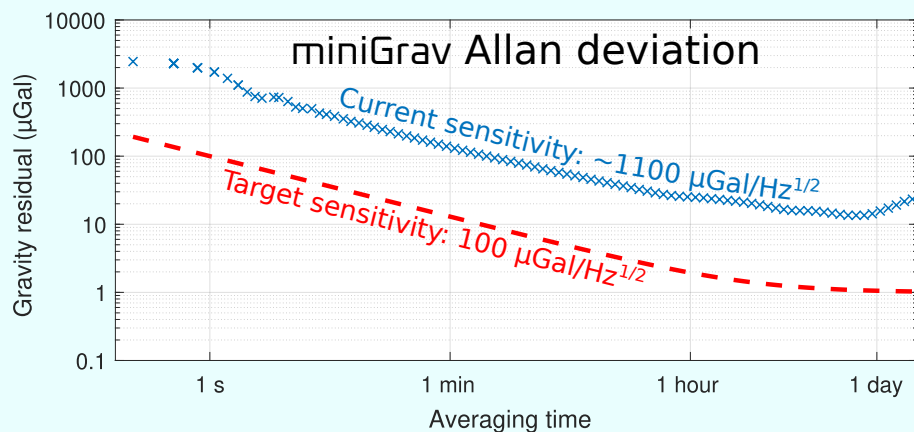
miniGrav is currently under development, with units expected to be delivered in the fourth quarter of 2027. Targeted specifications (subject to change) are:

General specifications

- ▶ Weight: 10 kg
- ▶ Dimensions: 30 cm x 30 cm x 30 cm (0.03 m³)
- ▶ Power: 20 W

Performance specifications

- ▶ Operating range: Worldwide
- ▶ Accuracy: 20 μGal
- ▶ Precision: 100 μGal/Hz^{1/2}
- ▶ Flicker noise floor: 1 μGal
- ▶ Acquisition rate: 5 Hz



Pricing

miniGrav will be for sale at competitive prices with current absolute gravimeters, and through leasing options with 3, 5, and 10 year leases.

If you are interested in purchasing or leasing miniGrav, please contact info@minigrav.com.