

# LEVELING PLATFORM



A precision leveling and stabilizing platform for gPhone, gPhoneX and other instrumentation

Micro-g LaCoste is proud to introduce a new leveling system. The Odin Leveling Platform provides state-of-the-art tilt stabilization for gravity meters and other precision instrumentation.

## ODIN PLATFORM FEATURES

Specifically tailored to the gPhone and gPhoneX gravity meters, the Odin Leveling Platform uses three temperature controlled hydraulic legs to precisely control tilt with sub-arcsecond resolution. The platform is actively servo-controlled to maintain level, allowing the gravity meter to measure continuously over long measurement registrations, even as the floor tilt changes slowly over time.

Odin also comes with the new MaxGrav level calibration software. Utilizing the gravity signal and tilt output from a gravity meter, Odin and MaxGrav can be used to perform highly accurate tilt sensor calibrations, saving the user time and effort by avoiding long manual level tests.



## SPECIFICATIONS

<b>TILT STABILITY</b>	Typically 0.2 arcseconds RMS (both axes)
<b>DYNAMIC (CONTROL) RANGE</b>	±1000 arcseconds in both axes
<b>RESPONSE TIME</b>	5 minutes
<b>FOOT OPERATING TEMPERATURE RANGE</b>	15° C above ambient, ±10° C
<b>OPERATING TEMPERATURE RANGE</b>	0° C to 40° C
<b>GRAVITY METER COMPATIBILITY<sup>1</sup></b>	All gPhoneX and gPhone sensors manufactured since 2015
<b>WEIGHT</b>	Platform: 2.75 kg (6.0 lbs) Controller: 1.75 kg (3.9 lbs)
<b>DIMENSIONS (WITH CABLE)</b>	Controller: 1.75 kg (3.9 lbs) Height: 102.90 mm (4.06 in) Width: 304.0 mm (11.97 in) Length: 314.0 mm (12.37 in) cable adds 76.2 mm (3.0 in)
<b>POWER SUPPLY</b>	18V DC, 60 W, 100-220 VAC, 50-60 Hz (universal external)
<b>NOMINAL POWER CONSUMPTION</b>	20 W

<sup>1</sup> Meters manufactured prior to 2016 will work with the Odin platform but must be returned to Micro-g LaCoste to have their tilt sensor outputs re-calibrated.

<sup>2</sup> Platform specifications are subject to change without notice.