

Burris Gravity Meter



Year of Purchase: 2014

Cost: 90.89 Lac

The Burris Gravity Meter™ is not a repackaging of old technology. It is a new meter designed especially to take advantage of the latest advances in digital technology. The result is a meter with superior digital performance and ease of use. It is the most precise and rugged gravity meter on the market. V-Grav™ control electronics automate the Burris Gravity Meter™ allowing it to be used with microGal precision.

Salient Features

- Highest Quality and Most Precise
- Most Rugged Land Meter
- ZLS Clamping Mechanism Alleviates the Hysteresis Endemic to Meters Not Offering a Clamp
- Earth Tide Monitoring
- Real Time Graphics of Beam and Levels
- One Tenth of a MicroGal Resolution
- Easy to Use for Students – Sophisticated for Experts
- Automatic Reading
- Weather Resistant

Applications

The Burris Gravity Meter™ comes in a number of configurations to fit your budget and needs. V-Grav™ allows the user to choose the level of precision needed for each application. Lower precision results in faster reading times, allowing more stations to be logged in a day. Higher precision allows the Burris Gravity Meter™ to be used for the most demanding microGal surveys. Whatever your application needs, you now have a choice with V-Grav™.

- Petroleum Exploration
- Mineral Exploration
- Civil Engineering
- Geophysical Mapping
- Geotechnical and Archaeological Exploration
- Groundwater and Environmental Studies
- Tectonic Research
- Volcanology Research
- Geothermal Research
- Your Specific Application

Specifications

| Feature | Specifications |
|--------------------------------------|---|
| Sensor Type | Metal Zero-Length Spring Hardened metal micrometer screw using electrostatic nulling |
| Reading Resolution | 0.1 microGal |
| Standard Deviation | <5 microGal |
| Operating Range | Worldwide range (CG-6 is equivalent to Burris Gravity Meter) (extra range not needed due to low drift) |
| Uncompensated Drift (Mature) | <20 microGal/Day (higher until mature) |
| Range of Automatic Tilt Compensation | <±200 arcseconds |
| Tares | Typically, <5 microGal for shocks up to 20G |
| Automated Corrections | Earth Tide, Instrument Tilt, Temperature |
| Data Output Rates | Single Observation: 5, 10, 15 second (user selectable) Continuous Observation: >1 second (user selectable) |
| GPS Accuracy | 2.5 meters typical accuracy |
| Touch-free Operation | Handheld Android Tablet with Bluetooth |
| Battery Capacity | Single 6.8 Ah (10.8V) Rechargeable Lithium Ion Smart Battery. 16 hrs. standby / 14 hrs. operating (at 23°C) |
| Power Consumption | 4.07 W @ 25°C |
| Digital Data Output | USB, Bluetooth |
| Dimensions | 7.50 X 10.50 X 12.00 in. (19.05 X 26.67 X 30.50 cm) |
| Weight | 12.75 ± 1.00 lbs. (5.78 ± 0.45 kg) |
| Shipping Weight and Dimensions | Standard Shipping Box: 24.00 X 24.00 X 24.00 in. (60.96 X 60.96 X 60.96 cm) @ 40 lbs. (18.14 kg) Optional Ruggedized Transit Case: 26.00 X 27.00 X 26.00 in (66.04 X 68.58 X 66.04 cm) @ 70.50 lbs. (31.98 kg) |