



"Insight through Innovation"

## GT-2M Marine Gravimeter

The GT-2M marine gravimeter brings proven design and fully automatic operation to marine gravity measurement. Intelligent Platform Control and four programmable filters running simultaneously allow the collection of high quality data on vessels of any size through periods of high sea state. Proprietary software provides real-time relative free-air gravity values at a selectable recording rate for continuous data evaluation. Transparent Earth Geophysics' GT-2M gravimeters also use our Mk.III(M) Shock-Mount and Restraint System.

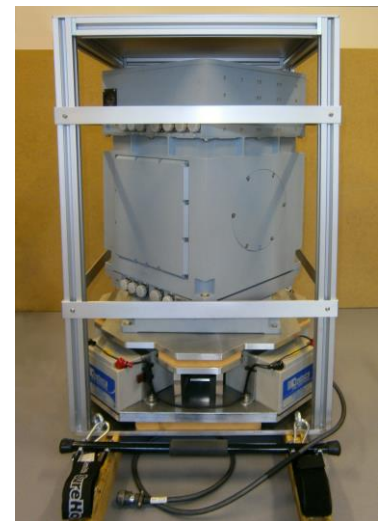
### Improvements:

- 8 hours battery back-up
- Can be operated remotely

### Advantages:

- Easy installation
- Rugged construction
- Low power consumption
- Automated warm-up and operation
- Automated calibration
- Optimum data quality in all sea conditions
- Integrates with on-board GPS
- Near real-time calculation of free-air gravity

TEG Shock-Mount  
with battery back-up



### Specifications:

<b>Measurement range</b>	9.75 to 9.85 m/s <sup>2</sup>	<b>Attitude limits</b>	± 45°
<b>Dynamic range</b>	> ± 1,000 Gals	Roll & Pitch	
<b>Sensitivity</b>	0.1 mGal	<b>Operating Temperature</b>	+10°C to +35°C
<b>Resolution</b>	10 microGal	<b>Error in gravity anomaly estimation (RMS)</b>	
<b>Accuracy at sea</b>	0.20 mGal	0.01 Hz cut-off = 0.6 m Gals (± 1 LSD*)	
<b>Drift per month</b>	< 3.0 mGal	<b>Power</b>	
<b>Recording rate</b>	0.1 Hz to 2 Hz	Operating	150 W at 27 Vdc
<b>Four simultaneous programmable filters</b>		Standby	50 W at 27 Vdc
eg. settings: 300, 450, 600, 900		<b>Installation weight</b>	153.5 kg
		(as pictured)	
		<b>Dimensions</b>	
		Sensor	400 x 400 x 600 mm
		Shock mount & rotation table	600 x 600 x 330 mm

\* Least significant digit  
Specifications subject to change

Gravimetric Technologies: Manufacturer of the GT-2M  
Canadian Micro Gravity Ltd: GT-2M exclusive distributor