



GT-2M Marine Gravimeter

The GT-2M marine gravimeter brings proven design and fully automatic operation to marine gravity measurement. Intelligent Platform Control and 4 programmable filters running simultaneously allow the collection of high quality data on vessels of any size through periods of high sea states. Proprietary software provides real-time relative free-air gravity values at a selectable recording rate for continuous data evaluation.

Specifications

| | |
|--|--------------------|
| Measurement range | 10,000 mGal |
| Dynamic range | $\pm 1,000$ Gal |
| Sensitivity | 0.1 mGal |
| Resolution | 10 microGal |
| Accuracy at Sea | 0.20 mGal |
| Drift per month | <3.0 mGal |
| Recording Rate | 0.1 Hz to 2 Hz |
| Four simultaneous programmable filters ex. settings: 300, 450, 600, 900 sec | |
| Attitude limits | |
| Roll | $\pm 45^\circ$ |
| Pitch | $\pm 45^\circ$ |
| Operating temperature | +10°C to +35°C |
| Power | |
| Operating | 150W at 27Vdc |
| Standby | 50W at 27Vdc |
| Weight (with base) | 153.5 kg |
| Dimensions console | 400 x 400 x 600 mm |
| Dimensions base | 600 dia x 300 h mm |

Specifications subject to change



- 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
- Real-time calculation of free-air gravity

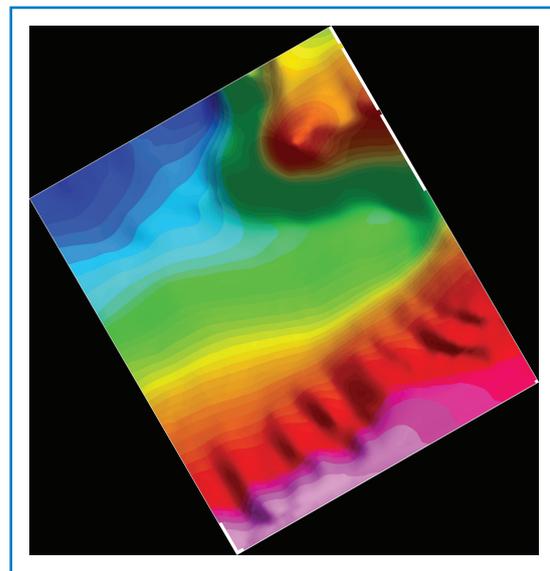


Fig 1.

Fig. 1 Free-air marine gravity grid: line spacing 5 km x 15 km; grid size 90 km x 60 km; filter 350 sec; RMS error 0.3 mGal; spatial resolution 480 m. Show rights courtesy PGS