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## GT-1A and GT-2A Airborne Gravimeters

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### Gravimeter main sensor

- GT-1A or GT-2A main measurement unit
- rotation table
- shock-mount
- CDU
- UPS
- Real-time and post-processing software
- One-year parts and labour warranty



### Accessories

- UPS power supply
- Portable computer for operating the gravimeter and recording data (CDU)
- GPS antennae plus receivers and tripods
- All required cables
- Manuals
- Shipping crates

### Software

- Real-time software to operate the gravimeter and to record data
- Post-processing software to integrate gravimeter and GPS data and produce free-air gravity anomalies. All post-processing routines are integrated into Geosoft Oases montaj and are available through Oases drop-down menus.

## Specifications

Parameter	Value	Units
Measurement range	9.75 to 9.85	m/sec
Dynamic range GT-1A	± 500	Gal
Dynamic range GT-2A	± 1,000	Gal
Static repeatability	± 0.3	mGal
Resolution	0.02	mGal
Drift per day (corrected)	< 0.1	mGal
Roll limit	± 45	degree
Pitch limit	± 45	degree
Operating temperature	+10 to +50	degree C
Power	150 (at 27 Vdc)	Watt
Weight (with rotation table and shock-mount)	134.5	kg
Dimensions (with rotation table and shock-mount)	400 x 400 x 600 h	mm

## Performance

Parameter	Value	Units
Standard deviation in gravity anomaly estimation	± 0.60	mGal
Under the following conditions:		
• maximum vertical acceleration GT-1A	± 500	Gal
• maximum vertical acceleration GT-2A	± 1,000	Gal
• constant barometric altitude	± 5	m
• dual frequency GPS receivers of at least	2	Hz
• minimum number of visible satellites	6	
• PDOP	< 2.5	
• GPS baseline	< 100	km
• Low-pass filter	100	Hz