The CG-5 is the latest, gravity meter from Scintrex Ltd. The CG-5 can be operated with minimal operator training, and automated features significantly reduce the possibility of reading errors.

Data download bottlenecks have been eased with the provision of a fast USB interface and flexible data formats.

Noise rejection has been improved through a series of automated correction functions which are easy to maintain.

By constantly monitoring electronic tilt sensors, the CG-5 can automatically compensate for errors in gravity meter tilt. Due to low mass and excellent elastic properties of fused quartz, tares are virtually eliminated. The CG-5 can be transported over very rough roads and the residual drift remains low. The CG-5 can withstand a shock of more than 20G and the tare will be no more than 5 micro Gal.

The CG-5 offers the best possible repeatability. Over many 10’s of field readings the CG-5 will repeat to within a standard deviation of 0.005mGal. An inbuilt radio frequency remote aid maintains instrument stability after levelling.

Supplied with an integrated Garmin 12 channel smart GPS antenna the CG-5 locates itself to within <15m with Standard GPS, and <3m if SBAS corrections are received.

Easily transportable, the CG-5’s ability to hot swap batteries permits extended battery life ensuring the sensor temperature can be maintained.

**Product Dimensions**

<table>
<thead>
<tr>
<th>Physical</th>
<th>Dimensions (L x W x H)</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>(instrument only)</td>
<td>31cm x 22cm x 21mm</td>
<td>8kg</td>
</tr>
</tbody>
</table>

**Technical Specifications**
Resolution: 1 micro Gal
Standard Deviation: < 5 Micro Gal
Residual drift: 0.02 milliGal/day
Ambient Temperature Coefficient: 0.2 microGal/?C
Pressure Coefficient: 0.15 microGal/ kPa
Magnetic Field Coefficient: 1 microGal/Gauss
Sensor Type: Fused quartz using electrostatic nulling
Range of automatic tilt compensation: +/- 200 arc.sec

GPS Accuracy:

Gallery

CG5 on Station

CG5 on Station close up