



**CODEVINTEC**

Tecnologie per le Scienze della Terra e del Mare

## LG-1 Galileo Land gravity meter



- > **Lightweight rugged detector with fully quartz core**
- > **Worldwide measuring range**
- > **Repeatability better than 5  $\mu$ Gal**
- > **Precise drift and temperature compensation**
- > **Quick leveling system**
- > **Wide range of ambient operation conditions**
- > **Hot-swappable Li-Ion cells (30 hours at 25°C)**
- > **Detachable control unit with colour graphic display**
- > **Easy control system**
- > **Large data memory (8 GB)**
- > **Bluetooth connection, built-in GPS receiver**
- > **USB data download to flash disk or to PC**

### Applications

- > Oil & gas and mineral exploration
- > Geological mapping
- > Water management
- > Civil engineering and geotechnical investigations
- > Detection of cavities
- > Archaeological studies



## Land Gravity Meter LG-1 Galileo

Offered as a new product of GF Instruments is ready to match all needs of up-to-date field gravity survey. Its shock resistance is supported by lightweight sensor based on temperature balanced quartz core.

Stable measuring features are completed with advanced technology of signal processing. The detachable control unit allows to adjust the leveling and to observe the data quality during measurement.

Significant cost effectivity (purchase, operational and service expenses), together with traditional resourceful consulting, make LG-1 another useful family member of geophysical measuring tools made by GF Instruments.

### Technical Specifications

> Operating range	10000 mGal
> Repeatability	better than 5 $\mu$ Gal
> Reading resolution	0.1 $\mu$ Gal
> Sensor sampling rate	10 Hz
> Acquisition time	10 s to 10 min
> Built-in corrections	tilts, drift, temperature
> Ambient conditions	-20 to +45°C, dust and rain protection
> Power supply	2 pcs hot-swappable Li-Ion battery (2 x 10.4 Ah, 30 hours at 25°C) AC Adapter or 12 V car socket recharg
> Dimensions	23.5 x 21 x 35 cm
> Weight	7.9 kg (with batteries)
> Transport case	70 x 36 x 53 cm
> Control unit with joy-stick user-friendly operation	
> Display	LCD transfective
> Memory	8 GB
> GPS	SiRF Star IV technology (3 m accuracy)
> Connectivity	Bluetooth with measuring unit USB with PC and with flash disk
> Power supply	Li-Ion battery (5.2 Ah) or 6 AA cells AC adapter or 12 V car socket recharging

### Standard Accessories

- > Probe with tripod
- > Control unit with carry belt
- > 2 pcs of chargers
- > 2 pcs of 12 V car socket supply cables
- > Holder for 6 AA cells
- > USB cable
- > Operation manual
- > Transport case

### Optional Accessories

- > Set of Li-Ion cells (for probe and control unit) with chargers

