



## Press Release. V6.0 QuickTracker™ Proton Precession Magnetometer / Gradiometer

GEM recently upgraded its QuickTracker GSM-19 proton precession family of magnetometers to its v6.0 hardware and software platform (which includes built-in GPS positioning). Comparatively, the v6.0 upgrade makes GEM's proton precession family the most affordable, highest sensitivity and feature-rich magnetometer / gradiometer system available for ground geophysical applications.



Some of the capabilities include:

- **v6.0 software features.** The upgraded GSM-19T family now includes all software features of GEM's proven and popular Overhauser magnetometer / gradiometer family. Key capabilities include GPS positioning (optional), improved processing algorithms resulting in increased resolution and absolute accuracy, enhanced graphics and implementation of the GEMLinkW transfer software (described later).
- **Increased sensitivity.** Implementation of v6.0 hardware (as well as software) has resulted in a significant increase in sensitivity  $0.022 \text{ nT} / \sqrt{\text{Hz}}$ . This is the highest sensitivity available among major suppliers of magnetic instrumentation.

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- **Programmable base station.** The GSM-19T family now includes a programmable base station that can be programmed via either a field unit or a Personal Computer. Three base station scheduling options are also available for conserving batteries and memory during geophysical surveys.
- **Larger memory and improved graphic display.** Standard memory for the proton precession family has been increased to 32 Mbytes (64 Mbytes optional) and text display has been increased for easier reading of text and graphical data.

GEM Systems delivers magnetometers and gradiometers with built-in GPS for accurately-positioned ground, airborne and stationary data acquisition. Key products include the QuickTracker Proton Precession™, Overhauser and SuperSenser™ Optically-Pumped Potassium instruments. Each system offers unique benefits in terms of sensitivity, sampling rates and acquisition of high-quality data. These core benefits are complemented by GPS technologies that provide positioning accuracy to metre or sub-metre resolution depending on geophysical survey requirements.

In addition to almost 30 years history of innovation in design and manufacturing, GEM is known for its customer support and responsiveness. The company is headquartered in Markham, Canada and maintains a strong network of global agents and representatives, including an active interest in Terraplus Inc. – a leading global supplier of geophysical instrumentation systems.

For more details, visit [www.gemsys.ca](http://www.gemsys.ca).