



GEM Systems Advanced Magnetometers  
52 West Beaver Creek Road West, Suite 14  
Richmond Hill, ON Canada L4B 1L9  
Ph. 905-764-8008 Fax. 905-764-2949  
[info@gemsys.ca](mailto:info@gemsys.ca) [www.gemsys.ca](http://www.gemsys.ca)

## Airborne GSMP-35A Specifications



**GSMP-35A v7.0** Potassium “Fast Reading” Sensor (Oscillator)  
with Magnetometer PreAmp Electronics Box (**with RS-232**)

### *Featuring:*

- 0.0025 nT (RMS) sensitivity
- +/- 0.1 nT absolute accuracy
- 30,000 nT/m Gradient tolerance
- 20,000 - 120,000 nT dynamic range
- 10° to 80° and 100° to 170° orientation range
- heading error less than 0.05 nT combined for sensor spins  
on all orientations from 10° to 80° and 360° full rotation about axis
- RS-232 output with comprehensive download software

### *Including:*

- Electronic's Console v2.0 with 1 x 35mm-cell Sensor & 5m Cables
- 3-pin Power Cable (Open at other end)
- RS-232 cable with USB Adapter
- PVC Sensor Holder (orientation adjustable)
- Instruction Manual (*rel. 1.0*) w/ GEMlink v5.6a communication software

### *Dimensions & weight:*

- Sensor: 14.2cm x 6.4cm (external diameter) and <1.3 kg
- Electronic's Console: 30.8cm x 8.5cm x 7.5cm and 1.6 kg
- PVC Sensor Holder: 25cm x 22cm x 17cm and 1 kg