

# BOREHOLE GRAVITY LOGGING SERVICES



# BOREHOLE GRAVITY SERVICES TO MEET YOUR NEEDS FOR MINING AND GEOTECHNICAL APPLICATIONS

The new Scintrex Gravigol borehole gravity system is designed to be deployed down to a depth of 3000 metres (10,000 feet) inside smaller boreholes, NQ drill rods, 57.2mm (2 1/4") with deviations from vertical of up to 60 degrees.

## APPLICATIONS

- Bulk density determination
- Detection of cavities and voids
- Determination of massive sulphide deposits or other types of metallic or non-metallic deposits
- Deposit evaluation
- Verification of surface and airborne gravity anomalies
- Rock properties
- Determination of mass associated with conductors
- Improved and quantitative grade control
- Monitoring of dams and tailings ponds integrity



Gravigol sensor size comparison

The change in gravity between two locations in a borehole is directly proportional to the density of the formation between the measurement points. Unlike other borehole methods, borehole gravity will provide accurate densities through borehole casings, while being undistorted by wash-outs down the hole, without the requirement for a radioactive source. The Gravigol system will provide the precision needed for detailed density determinations of narrow formations, and the high production rates required for efficient operations.

# TARGET SPECIFICATIONS

<b>SENSITIVITY</b>	< 5 microGal with 1 minute reading time
<b>OPERATING RANGE</b>	7000 mGal
<b>SONDE DIAMETER</b>	< 48 mm ( 2")
<b>SONDE LENGTH</b>	Approx 2.5 m (8 ft), or 2.5–4m (8–13 ft) depending upon tool configuration
<b>OPERATING DEPTH</b>	Max. 3000 m (10,000 ft) (water filled hole)
<b>HOLE DIAMETER</b>	NQ drill rods (57.2 mm, 2 1/4")
<b>DEVIATION OFF VERTICAL</b>	< 60 degrees
<b>OPERATING TEMPERATURE</b>	0°C to +70°C (32°F to 158°F) (downhole section)
<b>POSITIONING IN BOREHOLE</b>	+/- 5 cm (2") (vertical), relative between stations



Scintrex also integrates several other auxiliary systems with the GraviLog system for a complete borehole logging tool. The downhole system can include a pressure sensor, inclinometer, CCL/gamma and sidewall clamp. On the surface we provide a barometer and a rugged logging

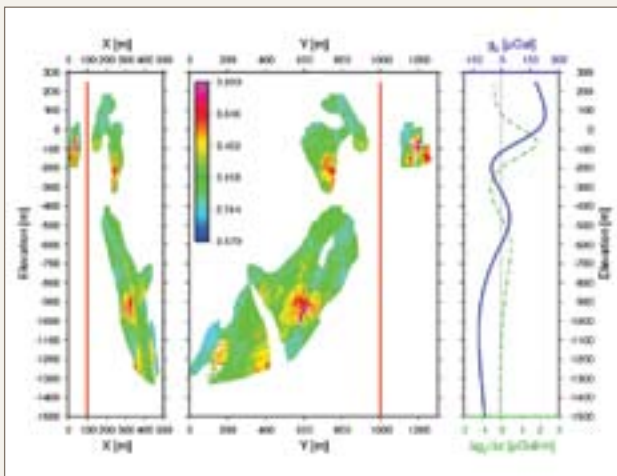
system to be used with a standard 4 conductor winch.

Scintrex seasoned logging crew will deploy on site and provide the most accurate data possible with this revolutionary technology.

Contact us for more information by phone: +1-905-669-2280  
or by email: [scintrex@scintrexltd.com](mailto:scintrex@scintrexltd.com)



Gravigol operating screen



Gravigol plot



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