

PRESSURE GRAVITY TOOL

MONITORS REAL-TIME REAMER PERFORMANCE

The Pressure Gravity Tool (PGT) is a probe stripped down and simplified for the unique demands of reaming. Paired with the separate Pressure Module and a drill string pressure sub, the PGT allows for the monitoring of pipe and annular pressures, as well as a real-time view of reamer rotation at a higher sample rate yet lower cost compared to typical survey tools.

With pressure and rotation plotted in RivCross software the driller receives immediate feedback of down-hole reaming performance, reducing the occurrence of costly twist-offs and frack-outs. All pressure and rotational data are logged to the permanent RivCross job database for verification that project tolerances have been met.

Compatible with standard pressure components and straightforward to deploy, the PGT provides an immediate ROI through improved productivity while providing accountability for the most challenging reaming jobs.

FEATURES

- Real-time monitoring of annular and pipe pressure
- Digital accelerometer system provides instantaneous RPM feedback at the reamer

BENEFITS

- No footage fees
- Reduces frequency of costly twist-offs and frack-outs

APPLICATIONS

- Reaming in hard rock or environmentally sensitive areas
- Projects requiring pressure verification

TECHNICAL SPECIFICATIONS

Outside Diameter	1.75 in (4.45 cm)
Length	30 in (76.5 cm)
Electrical Connection	1-3/16 in, 12 tpi female (standard wet connect)
Internal Operating Temperature	32-185 °F (0-85 °C)
Pressure Rating	10,000 psi (survival)
Pressure Connection at Foot	Requires Vector Magnetics Pressure Module

SURVEY PRECISION

Inclination	+/- 0.02°
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COMPATIBLE WITH:

- **Pressure Module**; providing real-time monitoring of pressure and RPM while reaming
- **RivCross Driller's Display**; remote display of Pressure, RPM and more. Available for Windows, Android, and iOS