



DRIL DATA™



INROCK®

MASTERING THE HDD INFORMATION REVOLUTION

INROCK's Dril Data™ HDD System delivers superior performance in Electronic Data Recording.

Dril Data™ utilizes easily installed sensor packages that monitor all parameters and relay this information directly to the in-cab, touch-screen computer. The operator can therefore monitor any and all parameters simultaneously.

Standard monitoring parameters include:

- Force on Bit
- Depth Tracking (MD)
- Rate of Penetration (ROP)
- Thrust Pressure
- Thrust Force
- Pull Pressure
- Pull Force
- Rotary Pressure
- Rotary Torque
- Spindle RPM
- Mud-Pump Volume
- Mud-Pump Pressure
- Mud-Pump Strokes per Minute (SPM)
- Clamp Pressure
- Pit Volume
- Pit Volume Totals

*Custom features and configurations available upon request

Dril Data™ monitors and records virtually every drilling parameter - the compact, single cable design allows the J-Box to be mounted onto the exterior of the operator's station. The simplified design also reduces clutter with only a single cable running from the J-Box to the in-cab touch-screen computer.

Standard system components include:

- J-Box
- Carriage Position Sensor
- Proximity Stroke Counters
- Pit Volume Sensor
- Hydraulic Hose Assemblies
- Field Replaceable Electronic Data Cabling
- Touch-Screen Control Computer
- Touch-Pad Keyboard
- Power Supply

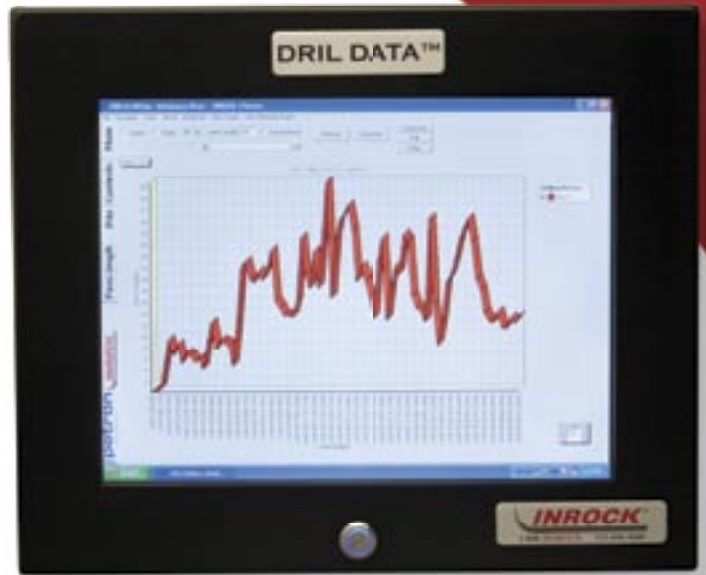


DATA™

Dril Data™ Audible alarm functions can be pre-set to desired values to automatically inform the driller of such issues as mud circulation, thrust/pullback force, rotary torque values, etc. This allows the operator to concentrate on drilling tasks while all drilling and safety parameters are comprehensively monitored.

Dril Data™ systems are designed to automatically upload all collected data to a password protected website. Uploading can be set to one minute intervals enabling virtual real-time viewing. Data can also be viewed remotely via satellite uplink and is automatically recorded and saved for later review.

Using proprietary software developed by **INROCK®**, Dril Data™ correlates planned drilling performance to actual pilot-hole drilling data and subsequent reaming passes. The results are displayed in a user friendly graphic form with drilling parameters plotted based on an average joint length versus time of joint basis. Operators can monitor their planned versus actual performance while anticipating problems or trouble spots; and based on this information increase tooling life, production rates, project predictability and overall profitability.



Dril Data™ offers users the ability to record and review historical data which can be used for future project analysis and assistance in the bid process. Dril Data™ provides the ability to archive project information and drilling data, facilitating sharing of information with client companies, engineering firms, contractors, inspectors, etc. thereby pooling resources to ensure the successful completion of HDD projects.



HDD PRODUCTS

- DRILL BITS
- JETTING ASSEMBLIES
- NON-MAG DRILL COLLARS
- DIRECTIONAL DRILLING MOTORS
- PARATRACK® GUIDANCE SYSTEMS
- WIRELINE CONSUMABLES
- DIGITRACK® SYSTEMS
- HDX® HARD ROCK BITS & REAMERS
- ROCK REAMERS
- HOLE OPENERS
- CENTRALIZERS
- FLY CUTTERS & BARREL REAMERS
- DCD PULL BACK SWIVELS
- SAFETY TONGS™
- DRILL PIPE (4-1/2" IF TO 6-5/8" FH)
- SONDE HOUSINGS
- CROSSOVER / ORIENTATION SUBS
- DRILLING FLUIDS
- SMALL RIG ROCK TOOLING
- GEOTECHNICAL ANALYSIS
- PROJECT PLANNING & FEASIBILITY
- DRILLING TOOL SELECTION
- TIME/COST ESTIMATES
- FIELD SUPERVISION & TRAINING
- GUIDANCE TRAINING CERTIFICATION
- DRIL DATA™ MONITORING
- BMR REAMING PRODUCT LINES
- XTR™ REAMING PRODUCT LINES

INROCK U.S.A
6000 BRITTMOORE
HOUSTON, TX 77041
(877) 2-INROCK
SALES@INROCK.COM

INROCK UK
HOVE TECHNOLOGY CENTRE
ST. JOSEPH'S CLOSE
BN3 7ES EAST SUSSEX UK
+ (44) 1 273-735-500
ENQUIRIES@INROCK.CO.UK

INROCK LTD.
8207 39TH ST.
LEDUC, ALBERTA
CANADA T9E 8M7
(780) 486-1992
SALES@INROCK.COM

WWW.INROCK.COM

INROCK®