

TestTORK®

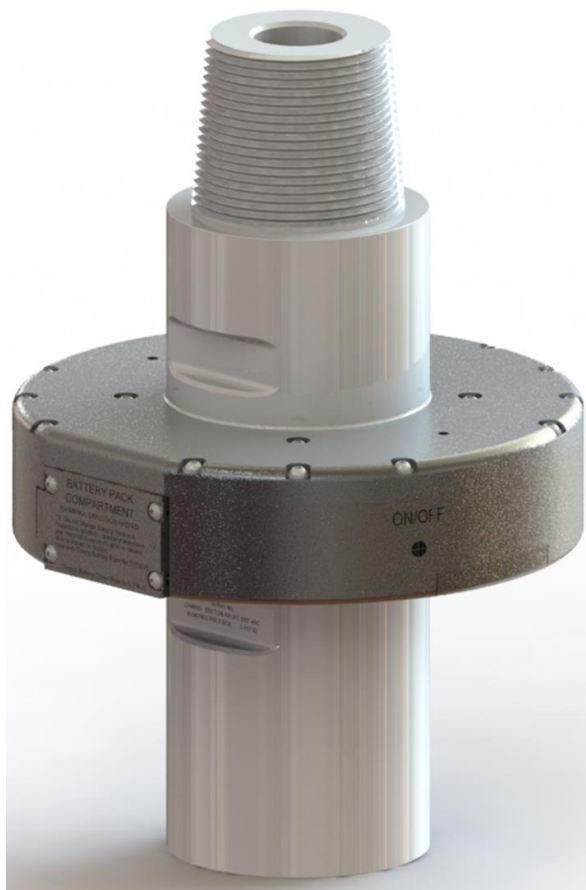


Achieve quality monitoring, control and evaluation of tubular connections using the TesTORK®.

Built to perform with virtually any top drive system and casing running tool (CRT), the TesTORK system monitors connection torque, tension, and number of turns with unrivaled accuracy.

The TesTORK utilizes high-precision instrumentation, computer monitoring software and wireless technology to monitor and report on these aspects of casing operations.

Wireless transmitters in the TesTORK Sub send real-time torque and rotational data to the base station receiver during connections. The base station receiver connects via USB to a computer hosting the TesTORK software which logs and displays all connection data on torque load versus turns, RPM, and torque load versus time.



The operator can add comments on individual connections, and view and print connection data from previous connections logged by TesTORK software. The monitoring system makes efficient use of power by entering a sleep mode during periods of no communication in order to preserve battery life.

The TesTORK system offers accuracy, ease of use, quick rig up/rig down times and provides the highest level of quality assurance for casing connections.

Real-time monitoring of torque load applied by the top drive mitigates the need to feather connections

Torque load is measured against both time and the number of turns for each casing connection

Eliminates the need for encoders due to internal gyroscopes

Uses pass/fail analysis to classify connections

Torque, tension and turn settings can be calibrated to zero onsite

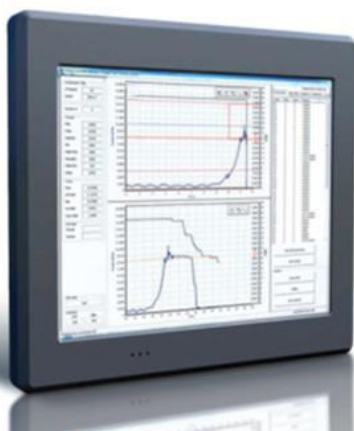
TesTORK® system software will retain a backup of the information if connections are removed

Enter connection data of torque limits, turn values, and hold time for the shoulder and peak torque target for accurate and consistent make up

The Base Station Antenna Receiver may be placed outside the doghhouse, thus maintaining line-of-sight

Temperature compensation ensures there is no need to recalibrate at different temperatures

Rechargeable battery eliminates expensive single use batteries



TesTORK Sub*

Available Connections	API 6-5/8 REG Thread Pin Up/Box Down or NC50 Thread Pin Up/Box Down
Tension Rating	6-5/8 REG Connection - 500 Ton (453.6 Tonne) NC50 Connection - 300 Ton (272.16 Tonne) in Compliance with API 8C
Torque Rating	+/- 50,000 lb-ft (+/- 6,779 daN·m) (connection dependent)
Length	18.5 in. (47 cm) (Shoulder to Shoulder)
Weight	~ 350 lbs (159 kg) (Connection Dependent)
Battery	Rechargeable 6,050 mAh NiMH
Operating Temperature	-40°F to +140°F (-40°C to +60°C)
Hazardous Area	Zone 0

Base Station Receiver

TesTORK PC Software

Dimensions 3 in. x 3 1/8 in. x 8 in.
(7.62 cm x 7.94 cm x
20.32 cm)

Minimum System Requirements

PC Running Windows 7 or later
with one available USB Port

Weight 2 lbs (0.91 kg)

Features Include

Torque vs. Time Graphing
Torque vs. Turns Graphing
Connection Torque/Turns Target
Connection Tally
Graphics Settings
System Settings
Communication Details

Operating Temperature -40°F to +140°F
(-40°C to +60°C)

Hazardous Area Classification Zone 2

Reports

Job Statistics
Sections Detail
Sections Summary
Connections
Job/Connection Comments

For more information and additional specifications, please contact a Canrig Sales Representative

**All specifications are subject to continuous product improvement.*



SALES INFORMATION

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