



TCS - GEN II

Torque Control System Generation II

Reliable, Accurate & Easy To Use

Built for the rig floor, collecting data for the cloud

Monitor & control with best-in-class accuracy

Torque vs. Turns vs. RPM vs. Time

Torque vs. Turns



Integrated Fleet Management

On-the-Fly joint analysis:



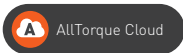
Torque



Turns



RPM



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TCS - GEN II

Specifications

Software Spec's

Cloud Based Software For Use With Tongs & Aelium Torque Sub
Software Continuously Updated, New Features & Security
Touch Screen Tablet / Computer With Windows 10
Pipe, Accessory, Tong & Hardware Libraries
Automatic Joint Detection & Dumping
Customizable 1 Step PDF Reports
Torque, RPM & Shift Control
Continuous Recording

Hardware Spec's

Computer: Microsoft Surface Pro

Power: 110 -220 VAC Input Lithium-ion battery backup with power supply built into system.

Sampling Frequency: 30,000 Hz

Recording Frequency: 30 - 1000 Hz

Electronic Response: 0.04 ms

Dump Valve Response: 10 - 30 ms

Torque Control: +/- 1% of optimum

Turns Accuracy:
Typically < 0.1% of 1 Turn on Tong

Operating Temp Comp:
0 - 40 Deg C (32 - 104 Deg F)

Operating Temp Control Box:
-40 - 75 Deg C (-40 - 170 Deg F)

