

# TORQUE TOOL CLASS 1-4

Oceaneering's Class 1-4 Torque Tools are designed to operate rotary valves from 25 - 2,000 lbf-ft, latch and handle MQC plates, SCM Override Tools, etc. The tool can be mounted onto a Flying Lead Orientation Tool (FLOT) or be deployed by ROV manipulator. The Torque Tool is supplied with a Test Jig for surface calibration prior to subsea operation. The Torque Tool is supplied with a Test Jig for surface calibration prior to subsea operation. The readout unit provides a torque display in either lbf-ft or N•m. Directional indication is also given ( $\pm$ ).



## Technical Data / Specifications

### *Latch Cylinder*

Pressure	3,000 psi max input
Flow	1 gpm
Connection Type	1/4 in Tube

### *Hydraulic Motor*

Pressure	3,045 psi max input
Flow	3 gpm max input
Connection Type	3/8 in / 1/2 in JIC

### *Specifications*

Weight	86 lb in air, 66 lb in SW
Diameter	11-3/4 in
Length	23-1/2 in
Torque multiplier	Norbar 5:1 ratio
Depth rating	10,000 ft
Turns counter	1/10 of rev. accuracy

