

# Petrobras Standard Torque Tool

FORUM™ Subsea Technologies

**nor** Offshore  
Rental



This torque tool has been specifically developed to provide the highest level of performance. It has integral torque and turns count sensors. When matched with a FORUM supplied control manifold, it can provide precise feedback on torque response of any subsea operation.

The tool conforms to the Petrobras style interface used in the subsea industry for valve overrides operated by ROV. Most common applications are used with Tool Deployment Units (TDU). It can be configured in three ways to provide 3 torque ranges, with a maximum of 2700Nm

## Key Features

- Petrobras Interface
- Max Torque 2,700 Nm (2,000 ft lbs)
- Dual Sensor Electronic Turns Counter
- Internal Strain Gauge
- Supplied in offshore suitable transit case
- Three torque ranges

## What's in the box

- Torque Tool
- T-Bar Handle
- Bladder style compensator
- Socket 1-1/16" Hex
- Socket 1-1/4" Hex
- Socket 1-3/8" hex
- Socket 1-5/16" A/F hex
- Socket 1-7/16" A/F hex
- Burton Flying Lead
- Operations & Maintenance Manual.

## Specifications

Torque Interface	Petrobras Standard
Torque Range	-
High	445-2,700Nm (600-2,000 ft. lbs.)
Med	90-445Nm (120-600 ft. lbs.)
Low	20-90Nm (25-120 ft. lbs.)
Weight (Air/Water)	39/31 kg (85/68 lbs.)
Electrical Connector	8 Pin Burton
Sensors	Dual Sensor Inductive Turns count sensor
Hydraulic	Mineral Oil
Socket Sizes	1-1/16", 1-1/4", 1-3/8", 1-5/16", 1-7/16" A/F hex

## Part Numbers & Options

A019-994-301/02	Petrobras Torque Tool
A019-904-301/S	Spares kit
A019-958-152/2	Surface verification unit
A019-958-601	Subsea verification unit
A019-958-175	Petrobras adaptor for verification unit
A286-001-050/04	Torque Tool control system
A019-901-102	3 Stage Manifold (use instead of TTCS)
A019-904-400/01	Subsea Torque and Turns Display

