

Referenced standards: API 17H/17D, ISO 13628-8



Description:

Depro all electric Torque Tool (eTT) is designed to be operated by WROV. It has a standard interface (nose) according to API 17 H Short / API 17 D 1st Edition, ISO 13628-8.

eTT is powered from ROV and controlled topside via local webserver. This allows tool operation and data visualization in any web browser and ROV control system.

The smart system gives full control on torque, turns and speed. Allowing the operator to verify and document operational data.

Remote monitoring possibilities.

Torque tool is calibrated at delivery.

Features:

The Depro eTT benefits from many years of developing Torque Tools and is easily integrated and operated through the customized HMI:

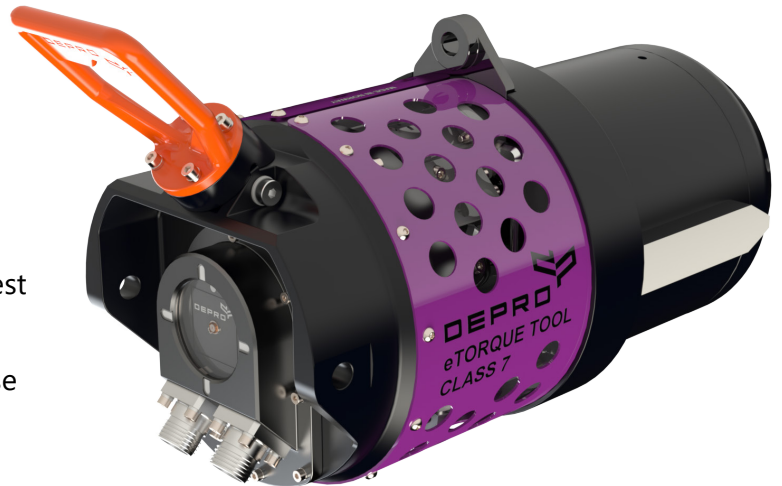
- Standard 115VAC ROV supply
- Integrated voltage monitoring/protection
- Web browser HMI, can be accessed via network
- Onboard server. Data logging. Generate report
- Absolute position, high resolution feedback
- Live torque feedback & monitoring
- High torque accuracy
- Integrated docking mode
- Target Torque, turn & speed
- Docking Mode/Nudge mode, Emergency stop
- Advanced brushless DC motor control



Depro AS is an expert in delivering tools and equipment for remote subsea operations. You can buy or rent standardized Depro products. You can also order bespoke designed products based on your drawings and IPs. We are an EPC partner. All services are available in-house!

Specification:

Torque range:	0 - 34 kNm
Calibrated range:	6,8 kNm - 34 kNm
Weight:	87 kg in air, 65 kg in water
Max water depth:	3000 m
Dimensions:	3D-model available on request
No Load Speed:	Up to 4,6 rpm
Direction of rotation:	Clockwise / Counter clockwise
Rotational indicator:	Yes (gear ratio 1:1)
Turn accuracy:	$\pm 0,75^\circ$
Torque accuracy:	$\pm 5\%$ through the scale
Handle:	Adjustable Smarhandle (45° and 90°) (Fishtail available as addon)
Gear fluid:	Shell Omala HD 68 \ Tellus 32
Output interface:	API 17H, API 17D and ISO 13628-8 : Class 7
Position:	Absolute
Position:	Resolver (on output shaft)
Temperature:	RTD Sensor
Torque:	Strain gauge
Power:	110-120VAC@ 2,3kW minimum 110-120VAC@ 6,5kW maximum

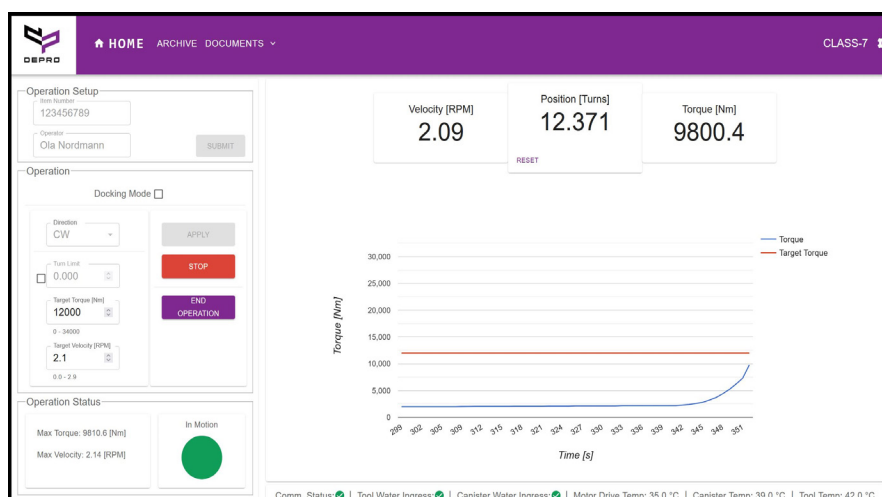


Base Units:

- eTorque Tool Class 7 DEP-GA-0924
- eTorque Tool, Control canister DEP-GA-1021

Adapters and addons:

A wide range of adaptes and addons are available for the electric driven Torque Tool (eTT). See specific datasheet: DEP-DS-PDS-00114



Tools designed for submersion over long periods on request.
Customized torque range on request.