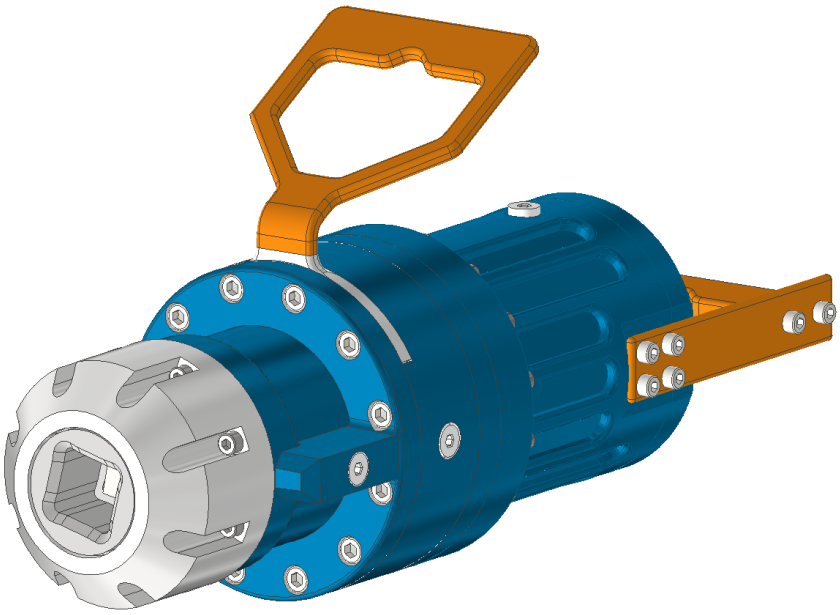
ELECTRICAL TORQUE TOOL 2700 NM PN 200860 DATASHEET



Light weight and robust ISO class 1-4 electrical torque tool (eTT) for rough working environments. Designed to be used by both new generation all-electrical ROV's and traditional ROV's. Eliminating the need for a hydraulic system to operate subsea valves can give considerable weight, space and cost savings.

This electric toque tool provides better control of the operating speed, torque and position compared with hydraulic torque tools. Maximum torque is limited by the controller and can be changed by the operator during the ROV operation, reducing the risk of over-torquing and damaging subsea valves and other equipment.

Modbus communication for easy integration to the ROV control system or controlled by using provided software with an intuitive operator HMI/GUI.

Key Features

Robust Design	Compact and rugged design made of low weight materials for easy handling and ROV operations. Separate control canister with electronics, for flexible installation and weight distribution on the ROV. Integrated moisture sensor to detect water ingress.
Precise Operation	Precise control of speed, torque and position with an integrated rotational encoder and output torque sensor.
Operator Control	Easy control and configuration of the torque tool by the operator. Control options for multiturn, step, choke, quarter turn, move to end-stop or to reach maximum torque. Integrated to the ROV control system or by using provided software with an intuitive operator HMI/GUI.
Installation and Service	Easy installation on ROV with cables and rugged drymate connectors. Designed with few parts for easy service.

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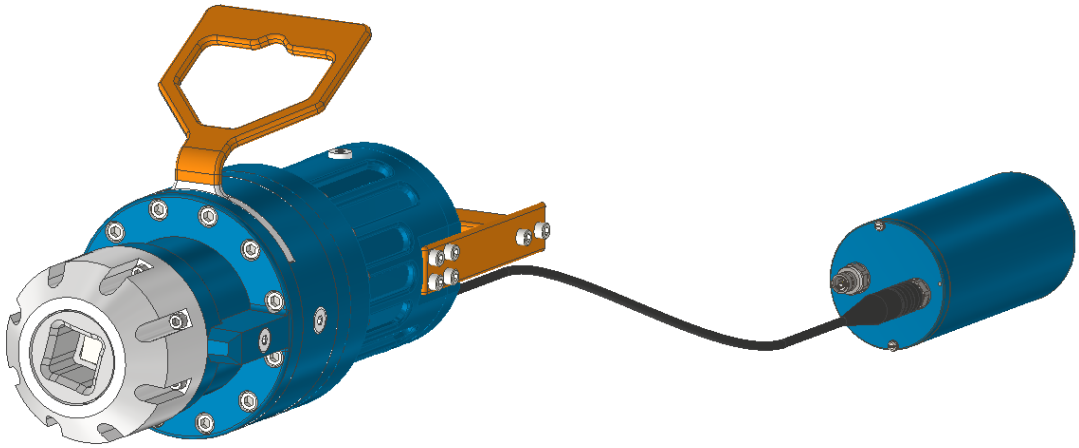

Technical Data

Operational Depth	4000 meters
Output Speed	Up to 20 RPM, dependent on torque and available power
Torque	Adjustable nominal range up to 2711Nm
Torque Limitation	Configurable torque limitation based on both measured output torque and motor current provides a high safety level to avoid over-torqueing
ROV Tool Interface	ISO 13628-8 ROV Class 1-4 Class 5-7 and other interfaces optional Rear and top ROV handles can be removed when not used
Communication Interfaces	Modbus RS-232 (optional RS-485)
Supply power	100 - 240V AC, 50/60Hz, 1 and 3 phase Other AC/DC voltages on request
Power Consumption	Maximum 1000 - 4000W, depending on speed, torque and available supply power
Dimensions	Torque tool: Typical Ø230mm, length 500mm (not including ROV handles) Power and Control Canister: Ø105 mm, length 252 mm
Weight	Torque tool: Less than 32 kg dry / 23 kg wet Power and Control Canister: 5 kg dry / 4 kg wet
Connectors	Rugged SAIV drymate. Cable for ROV connection available with other drymate connectors on request.

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