

Electrical Torque Tool Class 1-4



The Blue Logic Class 1-4 Electrical Torque Tool (ELTT) is a module based, compact, flexible and robust precision tool for operation and use in all Subsea and ROV applications. The system combines all known advantages from a hydraulic torque tool system with the technology and advantages available from a modern servo based electrical controlled drive system. Interface sockets are replaceable on deck prior to deployment to interface ISO Class 1-4 interfaces. The different sockets will automatically interface the gear system to utilize the optimal gear ration and power/speed capacity. The control system automatically detects socket and gear ratio and will automatically switch between low torque and high torque mode. The ELTT is designed for operation on ROV's with a minimum 5A 110VAC of continuous power available.

Max continuous current consumption is 20A. The tool communicates through RS232 protocol. The ELTT is connected to the ROV through a 3.5 mtr. oil filled yellow umbilical connected to an electrical power control module mounted on the ROV.

Specifications

Pressure Rating Bar	300 (3000m)
Dimensions	1500 mm x 528 mm x 160 mm
Weight	52.4 kg
Materials	Hard anodized aluminum
ROV Torque Tool Weight in air	34kg
ROV Torque Tool Weight in water	25.7 kg

Electrical Pod Base Weight in air	13.8 kg
Electrical Pod Base Weight in water	5 kg
Hydraulic	Oil filled and pressure compensate
Mechanical	ISO Class 1-4 Interface
Electrical	Burton 5506-2008, 110/230 VAC 50/60 Hz/160-320 VDC
Com. & Protocol	RS232/RS485*
Max output torque Low torque mode	350Nm
Max output speed Low torque mode	30rpm
Max output torque High torque mode	2700Nm
Max output speed High torque mode	6Rpm
Max power consumption	2kW
Max water depth	3000m