



Torque Tool Control System

The Torque Tool Control System allows the user, from the surface, to adjust the torque and speed. This system is particularly suitable for deepwater operations where torque required for a particular operation may be uncertain, or has multiple values for different operations on the same dive. The actual torque and speed is user controlled and measured at all times and recorded as a signature of the subsea operation for future reference.

The controller can be used with any torque tool supplied by PSS (and most non-PSS tools). The system can also be used as a pressure/flow controller for tools not equipped with feedback sensors.

Features.

- Torque Tool Control Unit.
- 1 off Bi-directional Pressure & Flow Control output
- 3 off bi-directional output
- Strain gauge and turns count input
- Latching Wings.



Specifications.

Outputs	3 off NG3mini 1 off Proportional Pressure & Flow
Pressure Sensor	One on Proportional Pressure Line
Electrical Inputs	Strain Gauge Turns Counter
Protection	Internal ground fault detection External pressure relief valve
Hydraulic Input	20 lpm @ 200 Bar (6gpm at 3000 psi)
Hydraulic Output	8lpm at 200Bar (per station)
Electrical Supply	110VAC, 2A Maximum
Materials	Aluminium housing
Weight	18 kg in air / 14 kg in water
Dimensions	280mm x 200mm x 260mm
Control telemetry	RS485 2-Wire.

What's in the box.

A286-001-050/04. (Box 1 of 2)

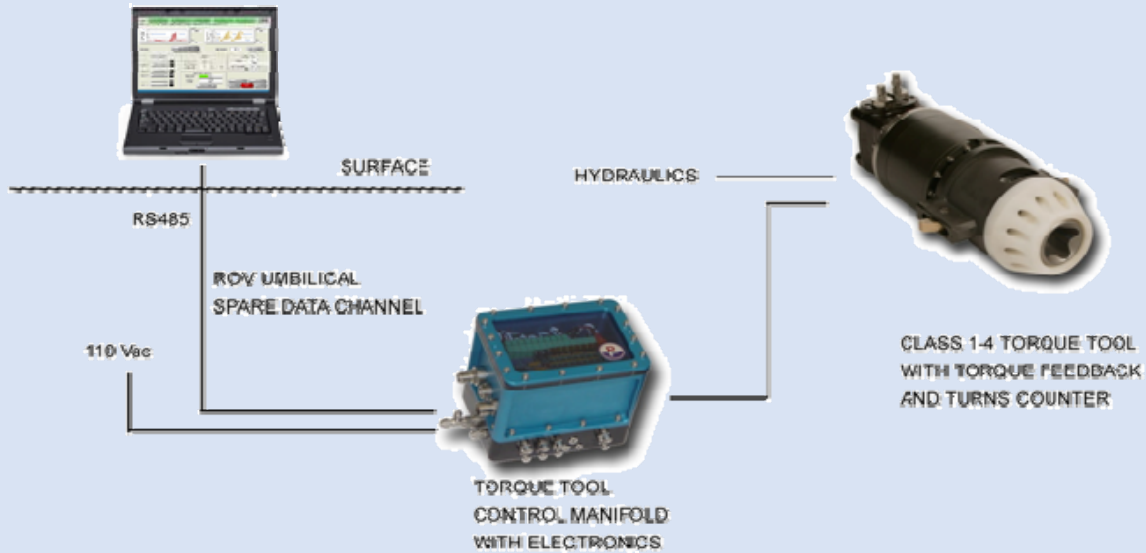
- TTCS Hydraulic Manifold.
- Manual.



A286-001-050/04. (Box 2 of 2)

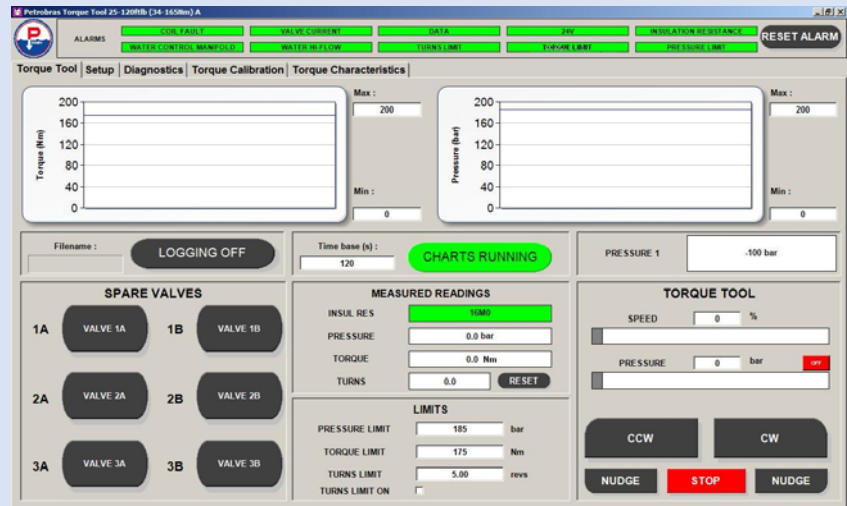
- Panasonic Toughbook control PC.
- Interconnect cables.
- KK485 Convertor

Overall System.



Software Features.

- User selected operating modes
- Torque setting
- Pressure setting
- Torque feedback
- Torque/pressure/turns limits
- User selected labels
- Clear diagnostics
- Imperial/metric units
- Data logging & charting
- Calibration routine
- No dongle required!



Part Numbers & Options.

- A286-001-050/04 Standard Torque Tool Control System.
- A286-001-050/S Basic TTCS spares kit (Excl PCB's)
- A286-001-050/RS Remote Location TTCS spares kit (Incl PCB's)
- TX00105-100-00 Surface Verification Unit.
- UE200-814 TTCS RS232 in line convertor cable

Data Sheet: A001-350-024 issue 11

The specification details are illustrative for marketing purposes only. Actual equipment may be different as a result of product improvement or other reasons. Specific interface and performance information should be reconfirmed at time of order placement.