

ENGINEER TO ORDER

SPECIAL PROJECT INFORMATION SHEET



Project Description	Torque & angle valve testing kit with pneumatic drives		
Date created	June 2020	Project Number	Q4881

INTRODUCTION & APPLICATION

Testing of valves / actuators with cyclical rotation forward & reverse, whilst recording torque vs angle data. Torque range of 100-2,000 N.m is required to cover a family of valve sizes. The test must be remotely controlled from outside of the test chamber, where the test valve is pressurised.

SOLUTION



Tool controller Q4673 with 10" HMI & remote pendant 61142.1000



PTS-72-1000 remote 180273.B06 fitted with torque & angle transducer 50846.LOGA

PTS-72-2000 remote 180275.B08 fitted with torque & angle transducer 50848.LOGA



Twin solenoid valve assembly # 60310 for 72 remote tools

Lubro control unit, leads & connectors not shown

TECHNICAL SPECIFICATION / DATA HIGHLIGHTS

- Torque range / application required 2 tool & transducer sizes i.e. PTS-72-1000 & PTS-72-2000.
- Supplied in 2 phases i.e. Phase 1 Q4881 - 1,000 N.m / Phase 2 Q4881.01 - 2,000 N.m.
- Test data capture and output in CSV format onto external USB drive, for the generation of customer test reports & graphs. Real time data streaming via RS232 serial port.
- See tool controller data sheet Q4673 for more details of features.
- Other torque ranges up to 300,000 N.m are available, please enquire.