

# ENGINEER TO ORDER

## SPECIAL PROJECT INFORMATION SHEET



|                     |                                     |                |       |
|---------------------|-------------------------------------|----------------|-------|
| Project Description | Valve Testing Kit – API Class 3 & 4 |                |       |
| Date created        | 13 October 2010                     | Project Number | Q1722 |

### INTRODUCTION & APPLICATION

Valve manufacture and refurbishment industry requirement to apply and monitor torque with relation to turns of valve actuators with class 3 & 4 receptacles.

### SOLUTION

Valve testing kit – API class 3 & 4 comprising: -

- Pneutorque PT5 remote # 16015.X
- 3,000 N.m annular torque transducer with turns counter # 50747.LOG & transducer lead
- TTT instrument based tool controller housed in a Peli-case # 60272
- Lubro control unit, solenoid valve, connecting pipe-work and hoses
- API class 3 & 4 torque reaction nose with interchangeable class 3 & 4 output drives



Class 4 nose with visual rotation indicators now also available, ref Q2693 project information sheet.

Alternative kits are now available with  $<1^\circ$  resolution torque & angle transducer, T-Box XL based tool controller with torque & angle display / capture / storage, & visual rotation indicator. Please contact Norbar for more information.

### TECHNICAL SPECIFICATION / DATA HIGHLIGHTS

The kit will apply and monitor torque with relation to turns of valve actuators.  
The tool is stopped via solenoid valve after a preset number of turns or preset torque has been reached.  
Data-out for both torque and turns can be captured via RS232C port.  
Turns count resolution to 0.1 turns accuracy i.e.  $36^\circ$ .  
Workshop based testing application i.e. not harsh environment.  
Optional Peli-case with inserts to house complete valve testing kit ref. # Q1967.01.