

# ENGINEER TO ORDER

## SPECIAL PROJECT INFORMATION SHEET



Project Description	Ball Valve Testing Kit with Torque & Turns Monitoring		
Date created	14 February 2011	Project Number	Q1961

### INTRODUCTION & APPLICATION

Oil & gas industry requirement for testing ball valves with torque & angle monitoring and data capture.

### SOLUTION

Ball valve testing kit comprising Pneutorque PT 13 remote fitted with angle encoder, 50,000 N.m annular transducer, special portable T-Box based tool controller, solenoid valve, transducer and solenoid leads.

The PT 13 rotates the valve through 90° whilst the controller monitors torque and angle readings at 1° intervals, taken from the transducer and angle encoder respectively.

At 90° the PT 13 is shut-off via the controller signalling to the solenoid valve.

The tool is then manually re-started, reversed and returned to 0°.



### TECHNICAL SPECIFICATION / DATA HIGHLIGHTS

Torque versus angle data is recorded every degree and stored in the T-Box for later transfer to a PC via a USB memory stick. Norbar TDMS software loaded to customer PC can be used to manipulate the data.