

ENGINEER TO ORDER

SPECIAL PROJECT INFORMATION SHEET



Project Description	Hydraulic wrench calibration controls kit		
Date created	20 August 2019	Project Number	Q4182

INTRODUCTION & APPLICATION

Calibration of hydraulic wrenches requiring a calibration certificate.

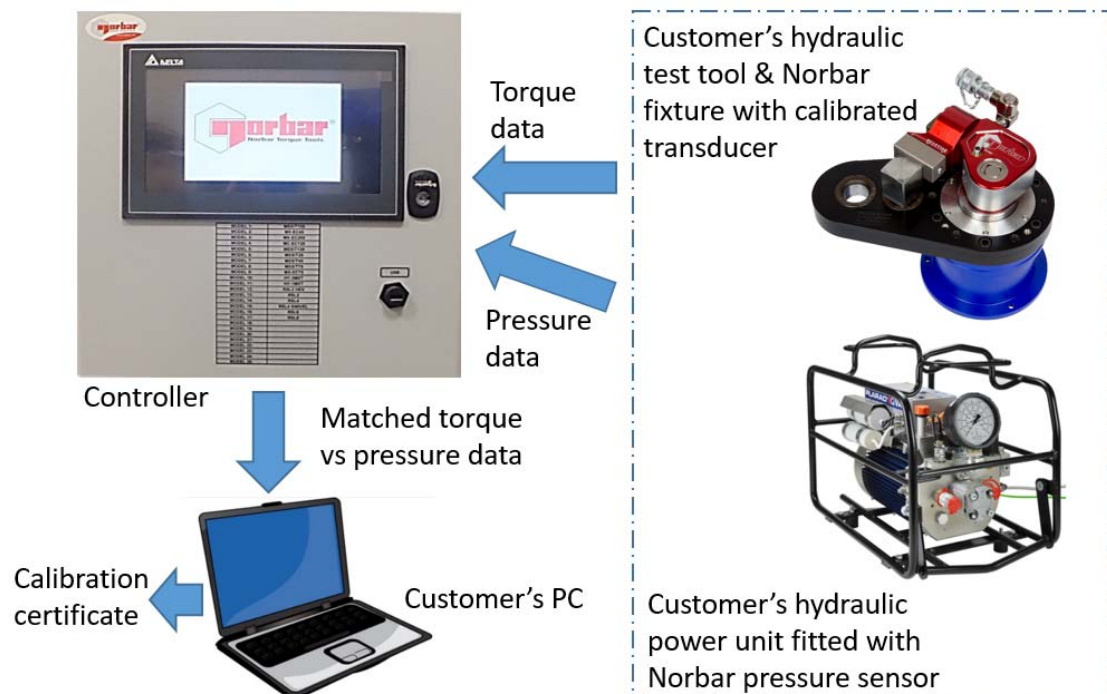
SOLUTION

Hydraulic wrench calibration controls kit to generate data for download to a calibration certificate template on customer's PC. The controls kit comprises the following; -

- Calibration controller # Q4182.01 taking simultaneous inputs from a calibrated torque transducer, and pressure sensor at 50 Bar intervals. Data is stored, and matched torque vs pressure readings are output, along with customer pre-loaded test information to the customer's PC for calibration certificate generation. Data transfer via serial Null modem lead # 39264 with 9-way D connection.
- Pressure sensor assembly # Q4182.02 with 100-730 Bar pressure range. Connection to the controller via lead # 60217.200.

The calibration controls kit is intended for use with the following equipment (extra to Q4182): -

- Norbar standard hydraulic tool calibration fixtures, static torque transducers & leads, and square to hexagon adaptors. The fixture(s) require mounting to a suitable bench with safety guard.
- Customer hydraulic test tool and power unit, with suitable connections for the pressure sensor.



TECHNICAL SPECIFICATION / DATA HIGHLIGHTS

Bench for fixture mounting with safety guard, interlock sensor, lead and connection can also be supplied. Customer's PC requires loading with Microsoft Hyper-terminal software & Microsoft Excel software. Alternative controllers with multiple transducer ports can also be supplied.