

# RAYTECH SERVICES PTY LTD

## TECHNICAL DOCUMENT

### EXTREME ENVIRONMENT EQUIPMENT TECHNOLOGY

Tele:(08) 9437 3022 Fax:(08) 9437 3425 - 8B Sparks Road, Henderson Western Australia 6166  
Email:raytech@raynertech.com.au

## API 17 D TORQUE TOOL ANALYSER CLASS 1 to 4



### GENERAL DESCRIPTION

The torque analyser is able to test all four classes of torque tools. The unit is fitted with calibrated smart torque block. The torque block is connected to strain gauge torque LCD readout. The drive sockets are interchangeable depending on the tool class being tested. The readout has a RS232 communication port that can be connected to any smart manifold for feed back during torque tool calibration sequence. The unit is mounted on sturdy base to assist during calibration process.

#### **Mechanical:**

|                          |                            |
|--------------------------|----------------------------|
| Dimensions:              | Length 330mm x Width 200mm |
| Weight:                  | +/-35kg                    |
| Maximum operating torque | 3000nM                     |
| Square Drive Adaptors:   | Class 1;2 ,Class 3, 4      |

#### **Electrical:**

##### Torque Transducer:

|                  |                         |
|------------------|-------------------------|
| Description      | Smart Torque Block      |
| Manufacturer     | Norbar Torque Tools LTD |
| Device Model     | 50684.LOG               |
| Maximum Capacity | 3000.0 Nm               |

## LCD Read out

|                      |  |
|----------------------|--|
| Description          | Programmable Ratiometric 4 wire strain gauge readout |
| Manufacturer         | Almagamated Instruments                              |
| Device Model         | HH4-WT   |
| Excitation Voltage   | 5.00Vdc  |
| Scale Range          | 0.5mV/V to 100mV/V                                   |
| Sampling Rate        | 5 to 100 samples /second                             |
| Serial communication | RS232 serial string                                  |

Note: Calibration certificates available on request

