

# SPECIFICATION SHEET

## Rotary Torque Tool Calibrator

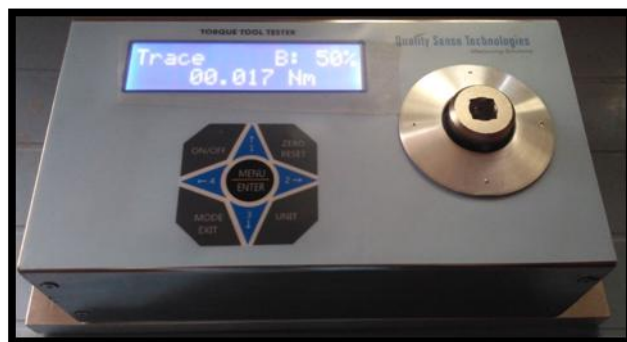
MODEL: QRTC – 05

### Applications

- **Ideal for Testing and verifying torque output of Pneumatic & Electrical shut-off clutch screw drivers, also small capacity Torque Wrenches to meet the requirements of ISO5393:1994**

### Importance of Digital Torque Tool Tester

- Controlling torque of a torque tool is important for companies to ensure proper torque being applied for their product's quality, safety and reliability and also to maintain gauge requirements associated with ISO 9001 quality standard.
- By regular calibration one can assure that the accuracy of a torque tool is within the specified tolerances and maintain continuous quality standards in the assembly process. The Calibration ensures the performance of a torque tool and indicates the need for any adjustment. Also the potential tooling problems can be identified before they arise, either due to tool wear and tear or broken components.
- Hence, the torque tool calibration equipment plays an important role along with traceability to assure that all measuring results are in accordance to the National/international standards



### Features

- Accuracy (including measurement uncertainty) better than 1 % of the reading from 20% to 100 % of the range.
- Portable, compact & Light Weight, suitable either for Production line or for laboratory use.
- Strain gauge based in-built sensor senses the Torque directly.
- High resolution LCD Display Unit with feather touch keys to read Torque in Trace mode, Peak hold mode & First peak mode with high sampling rate 2400 Hz.
- Built-in 500 Hz filter.
- Auto zero function- automatically zeros torque reading on the display after preset time of 10s.
- Suitable for clock wise and counter clock wise operation.
- Selectable unit of measurement, Nm, kgfm, & Ft.lbs or cNm, kgfcm & lb.in depending on the range.
- Operates on 7.4 V Li rechargeable batteries. Battery life 14 hours in completely charged condition.
- Battery level indicator.
- Calibration facility
- Accessories included- Soft joint, hard joint, AC- DC (220-240 VAC to 7.4 VDC, 120 mA) adopter, Carrying case, Instruction manual.

### Specification

Range in Nm	0.2 – 2	0.5 - 5	1-10	2-20	5 - 50
Resolution in Nm	0.0001	0.001	0.001	0.001	0.01
Sq.Drive dimensions	¼"	¼"	3/8"	3/8"	½"

# **SPECIFICATION SHEET**

## **Rotary Torque Tool Calibrator**

**MODEL: QRTC – 05**

### Optional Features

- Analog output for Torque (0-2V DC or 0-5V DC, 4-20mA or 0-20mA)
- Additional Fixture for calibration of screw driver type hand torque tool as per standard IS/ISO 6789:2004
- **More than 2000 Nm capacity system- on request.**

### Important Note

- In view of continuous improvement in Design and performance, specification is subject to Change without notice.
- Consult factory for more technical information

### Factory Contact Details

**Quality Sense Technologies**  
**No.2, 3<sup>rd</sup> Main Road,**  
**Jammanakunta Layout,**  
**Vidya Nagara, Tumkur Road,**  
**Bangalore – 560057,**  
**Karnataka, INDIA.**

**Mobile No - 07337836620**

**Email: [info@qualitysensetechnologies.in](mailto:info@qualitysensetechnologies.in)**

**Web: [www.qualitysensetechnologies.in](http://www.qualitysensetechnologies.in)**