



# Technical Bulletin

TB # 0003  
April 2007  
ISO 9001 (2000) company



408.292.2214  
408.292.2733  
sales@etorque.com  
www.etorque.com

## PTT Upgrade Version

Starting April 2007, four key features have been added to the PTT.

1. PTT connecting with a Bar Code Reader
2. PTT connecting with a Multiplexer
3. PTT connecting with Load & Force Sensors
4. PTT offers a Quick Test function

Mountz PTT units with serial numbers that start with digits "07" and later now feature a new firmware and hardware. Only models with serial numbers 07-01-001 or later can operate with the Bar Code Reader or Multiplexer. Prior PTT versions cannot support the Bar Code Reader and Multiplexer. Firmware and revision data can be seen on initial power on of unit.

Customers with older PTT versions can send their unit to our service department and pay for it to be upgraded to operate with the Bar Code Reader and Multiplexer.



## PTT & Bar Code Reader

With the Tool Test feature of the PTT, a customer could store a large number of Tool Tests and it may become cumbersome to scroll through a long list to choose the desired tool test. Adding Bar Code capability to the PTT eliminates this problem.

The PTT is designed with an expansion port, which is accessed by a "punch-out" on the back of the unit. This allows users to easily connect to a PLC for access to GO or NO-GO signals and similar applications. The bar code reader plugs into this expansion port.

## PTT & Multiplexer

The unit can connect 1-4 transducers to the PTT simultaneously. When the PTT is connected to the Multiplexer it reviews the Multiplexer (Mux) to determine what transducers are connected and downloads the identity and calibration data for each of the attached transducers.

## PTT & Load and Force Sensors

Load & Force sensors can be connected to the PTT. These sensors can be equipped with ARCI technology. The PTT only supports 2 units of measure when connected to a force or load sensor. Those units are kN or Lbf. Load & Force sensors can be used in 3 directions, Clockwise (Compression), Counter Clockwise (Tension) or Both. When a Load or Force sensor is connected, the PTT will only list the modes it can operate in (Track & Peak). The other three modes are irrelevant to Force applications, which are Angle, T+A Threshold and First Peak (these are Torque Only selections).

## Quick Test Function

By selecting Quick Test the operator can run a quick test using the currently selected parameters of the torque analyzer such as Mode, Units, and Tolerance etc. After selecting Quick Test, Press the Enter key. The test starts immediately and the operator can start collecting the data.

When the operator connects to the Interface Program and click on Download Results, the Quick Test data is downloaded. The file name will be Quick Test with associated Date and Time. If the operator performs several different Quick Tests he/she will have different Time and/or Date files for each test.