

TM200

TorqueMate® 200 Portable Handheld Display



The **TorqueMate® 200** is a portable, accurate and versatile torque and angle display that fits comfortably in the hand yet is powerful and accurate enough to be used as a primary torque standard.

Peak torque and angle can be shown simultaneously and measured in either the clockwise or counterclockwise direction.

Designed for production, QC applications and calibration of hand or power torque tools.

Five different units of torque measurements are available (lbf.ft, lbf.in, ozf.in, N.m, kgf.m).

Can adapt to any mv/v transducer and possesses the ability to store calibration data for up to 15 torque sensors.

Has five quick and easy selectable operation modes: Track, Peak Hold, First Peak of Torque, Power Tool and Angle.

Go/No Go LED's and buzzer can be set for high or low torque and angle limits.

Software selectable filters for power tools, 3600Hz, 1500Hz, 500Hz.

Built-in benchtop display stand.

TM200 - Specifications

Input Signal -	1.0 to 4.0 mv/v FS
Bridge excitation -	12 volts
Calibration -	Dead weights or manual entry of mv/v and range, memory for up to 15 transducers.
Accuracy -	Better than $\pm .25\%$ of reading, $\pm$ one digit whichever is greater.
Display -	Large 4 digit Liquid Crystal LCD. Two numeric displays with Angle and Torque shown at the same time.
Data memory capacity -	Up to 1000 readings.
Communications -	RS-232-c.
Operating Temperature -	0-55° C
Humidity -	5% to 95% N.C.
Input Power -	Metal hydride (NimH). AC adapter 115 VAC.
CW/CCW automatic -	No switch required.
Printout -	Data#, Torque, Units, Angle.
Angle input -	Quadrature, 360 Counts per Revolution.
Angle resolution -	1°
Maximum Angle Count -	9,999°

- When selecting a transducer to be connected with the TorqueMate® 200, please see cable ordering chart on page 1.16.
- Printer #012003.

Model TM200 110V Item# 065014

Model TM200 220V Item# 065020



TM200 Battery Charger Kit

Battery
Item#
771170

Kit
Item#
771147



The perfect accessory as it provides the ability to increase productivity and reduce costs. The kit allows for a standby battery at all times while one is charging and the other being used, which provides less down-time of the TM200 and increases productivity. The NimH batteries offer better performance because they do not require a memory set if charged or used incorrectly.

The kit includes a charger and two batteries.

Accuracy Statements

RTSX, RTSX-A, BLRTSX mated with a TM200 as a package should be as follows:

From 10%fs to 40%fs, $\pm .5\%$ of reading, ± 1 digit (Display Resolution).
From 40%fs to 100%fs, $\pm .25\%$ of full scale, ± 1 digit (Display Resolution).

BMX mated with a TM200

From 10%fs to 50%fs, $\pm .5\%$ of reading, ± 1 digit (Display Resolution).
From 50%fs to 100%fs, $\pm .25\%$ of full scale, ± 1 digit (Display Resolution).

TWX & SMX mated with a TM200

From 10%fs to 100%fs, $\pm .5\%$ of reading, ± 1 digit (Display Resolution).

etorque.com