

KEY FEATURES

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

Features "ARC" technology, an instant auto-recognition system of the Transducer connected to the TorqueMate Plus. Transducers must have an auto recognition chip (ARC).

Includes a PC Windows based software program. **Data Acquisition** for collecting and analyzing data with Microsoft Excel.

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

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

Can connect to most mv/v transducers and can store calibration data for up to 15 torque sensors.

The 5VDC capability allows unit to be used with a Brushless Rotary Transducer for testing pulse tools and high RPM tools.

Portable unit with a built-in benchtop display stand.



TorqueMate® Plus

Torque and Angle Analyzer

TORQUEMATE PLUS 110V - Item #065032

TORQUEMATE PLUS 220V - Item #065034

SPECIFICATIONS

Accuracy Statement: System Accuracy $\pm 0.5\%$ of reading from 20% to 100% System Accuracy $\pm 1\%$ of reading from 10% to 20%
Input Signal: 1.0 to 4.0 mv/v full scale and 5VDC full scale for BLRTSX
Bridge Excitation: 12 Volts
Calibration: Dead weights or manual entry of mv/v and range
Display Accuracy: Better than $\pm .25\%$ of reading, \pm one digit, whichever is greater
Display Digits: 4 digits (2 numeric displays when angle and torque shown simultaneously)
Data Memory Capacity: Maximum 1000 readings
Sensor Memory Capacity: 15
Torque Measurements: ozf.in, lbf.in, lbf.ft, N.m, kgf.m
Humidity: 5% to 95% N.C.
Operating Temperature: 0 - 55°C
Power: NimH battery and AC adapter 110V or 220V
Battery Life: 10 hours with maximum charge
CW/CCW Automatic: No switch required
Output: Data #, Torque, Units, Angle
Communications: RS-232
Dimensions: 8.5" x 4.25"
Clear Modes: Manual and Auto
Operation Modes: Track, Peak, First Peak, Power Tool, and Angle
Filters: 500Hz, 1500Hz, 3600Hz
Angle Input: Quadrature, 360 counts per revolution
Angle Resolution: 1°
Maximum Angle Count: 9,999°

ACCESSORIES

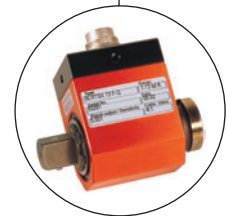
Item #	Description
068089	Printer
771170	NimH Battery
771147	Battery Charger Kit*
771146	220V Charger
771044	110V Charger
068091	Printer Paper
068090	Printer Ribbon

* The kit includes a charger and two batteries. The kit allows for a standby battery at all times while one is charging and the other is being used, which provides less downtime and more productivity.

CABLE CHART

Transducer	Cable Item #
RTSX	065138
RTSX-A	065151
BLRTSX	065134
BMX	065145-XD5
SMX	Not Needed
LPX	065175
SDX	062507
ETX	065187

CONNECT WITH A:



TRANSDUCER

Used in conjunction with a variety of transducers, you can calibrate most power tools or test and measurement applications.

SEE PAGES
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NOTE!

Since a tester cannot always duplicate actual joint characteristics, the torque reading displayed on the TorqueMate may vary from the actual torque that a tool will apply to a joint. When critical assemblies are involved, the torque output of the power tool being used should be verified on the actual assembly using a calibrated measuring torque tool.



CERTIFIED

Supplied with NIST-Traceable
Certification of Calibration



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ISO 9001:2000 COMPANY

TORQUEMATE® PLUS

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