

Specifications

Torque Analyzer

Display	4 Digit w/Alpha & Numerical Function Flags
Display Capacity*	4 Digits, 8,000 Counts
Accuracy	+/- 1% of Reading (10 to 100% of Sensor Range) +/- 2% with 201-O-MT and 101-I-MT Sensors
Push Button Key Pad	Hi/Lo Alarm, Zero Tare, Set-up, Units, Store/Recall/Clear, Send, Statistics, Enter
Units of Measurement	ft-lb, in-lb, in-oz, Nm, dNm, mKg and cmKg
Operating Temperature	23 to 42°C (40 to 110°F)
Storage	-20 to 50°C (-2 to 122°F)
Humidity	Up to 90%, Non-condensing
Dimensions	3" Wide, 2.5" High, 6" Deep (3" High with Belt Clip)
Weight	1 Pound
Charge Life (Full Charge to Shut-off)	20 Hours Continuous
Battery Chargers	120 VAC or 220 VAC (50-60Hz)
Output	9VDC, 200 mA.
Data Storage/Recall	3,500 Measurements
Serial Output Port	RS-232 (True), 300 - 19.2K Baud, and Mitutoyo (Statistical Protocol)
Statistical Analysis	Max, Min, Range, Mean, Sigma N, Sigma, Cp, Cpk, %Error, -NoGo, +NoGo
Histogram	Lower Set Limit, Upper Set Limit, Divisions

* MULTITORQ display ignores torque inputs less than 0.5% of full scale in Track mode and 2.0% of full scale in Peak mode.

Sensors

MULTITORQ™ Sensors provide industry standard square drives. They feature a full bridge strain-gage @ 350 Ohms nominal.

Sensors use a built-in EEPROM memory chip that stores sensor identification and calibration factors. Once a sensor is calibrated, it retains its accuracy between all MULTITORQ™ Meters.

User calibration of sensors is possible given a known input torque and the MULTITORQ™ torque analyzer Set-up function. Refer to page 12 for Calibration Procedures.

Sensors can withstand an overload of 150% of full range. The MULTITORQ™ torque analyzer will alarm, (audible beep and display "OVER" flag) at 110 % of rated capacity.

Range	Part No.	Drive	Diam.	Length	Cable
2-20 in-oz*	201-O-MT	1/4 in	0.5 in	2.9 in	48 in
1-10 in-lb*	101-I-MT	1/4 in	0.7 in	2.9 in	48 in
5-50 in-lb	501-I-MT	1/4 in	0.9 in	2.1 in	48 in
20-200 in-lb	2001-I-MT	1/4 in	0.9 in	2.1 in	48 in
10 -100 ft-lb	1002-F-MT	3/8 in	1.2 in	2.4 in	48 in
25-250 ft-lb	2503-F-MT	1/2 in	1.4 in	2.6 in	48 in
60-600 ft-lb	6004-F-MT	3/4 in	2.0 in	3.9 in	96 in
150-1500 in-lb	15005-F-MT	1 in	2.4 in**	4.4 in	92 in***

* Knurled Handle for Fingertip Control

** Diameter Does Not Include Side Mounted Connector

*** Heavy Duty Coiled Cord with 4 pin MS style Sensor Connector