



MULTITORQ TORQUE & DATA COLLECTION SYSTEMS

The MULTITORQ portable electronic torque meter displays torque readings from sensors that attach between sockets and driver. MULTITORQ is a highly versatile torque analyzer/data acquisition system that can be used with sockets, extensions, universal joints, ratcheting drivers or any combination of these. Sensors are sold separately, available in 8 ranges from 2-20 in. ozs. to 150-1500 ft. lb. Accuracy $\pm 1\%$ of reading ($\pm 2\%$ reading for 20 in. oz., and 10 in. lb.) 10-100% of sensor range.

The torque analyzer features a wide angle viewing LCD display with selectable readouts; ft. lb., in. lb., in. oz., Nm, dNm, mkg, and cmkg units. Torque target settings are entered via a push button membrane keyboard. High and low torque limits are adjustable to give an audible and visual alarm. The user selects Track mode to display torque values as they are applied, or Peak mode to display the highest torque value applied.

Features

- 4 digit w/ alpha & numerical function flags
- 4 digit, 8000 counts display capacity
- Accuracy: $\pm 1\%$ of indicated value, cw & ccw, from 10% to 100% of full scale, 201-O-MT and 101-I-MT are $\pm 2\%$
- Soft touch keys: 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
- Storage: -20 to 50 degrees C (-2 to 122 degrees F)
- Humidity: up to 90%, non-condensing
- Dimensions: 3" wide, 2.5" high (3" with belt clip), 6" deep
- Weight: 1 pound
- Charge life (full charge to shutoff): 20 hours continuous
- Battery chargers: 120 VAC or 220 VAC (50-60Hz)
- Output: 9VDC, 200mA
- Data storage/recall: 3500 measurements
- Serial output port: RS-232 (true), 300-19.2k baud, and mitutoyo (statistical protocol)
- Rechargeable Ni-Cad batteries
- Reads bi-directionally (cw and ccw)



Turns any ordinary ratchet wrench....



...into a highly accurate digital torque tool.

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Standard Set Includes:

Product Code	Grainger Part #	Description
1600-MT	4YVT6	MULTITORQ Unit includes: power pack/charger (P115-30) and case (1600-50)

Sensors: (sold separately)

Product Code	Grainger Part #	Torque Range	Drive
201-O-MT	5PVH0	2 - 20 in. oz.	1/4"
101-I-MT	4YVT7	1 - 10 in. lb.	1/4"
501-I-MT	5PVH1	5 - 50 in. lb.	1/4"
2001-I-MT	4YVT8	20 - 200 in. lb.	1/4"
1002-F-MT	4YVT9	10 - 100 ft. lb.	3/8"
2503-F-MT	4YVU1	25 - 250 ft. lb.	1/2"
6004-F-MT	4YVU2	0 - 600 ft. lb.	3/4"
15005-F-MT	5PVH2	150 - 1500 ft. lb.	1"

Certificate of accuracy traceable to N.I.S.T. supplied with each transducer. All components ordered separately.



Optional Accessories:

Product Code	Description	Grainger Part #
1600-10	Interface Cable: RS-232 to serial printer	46E687
1600-20	Interface Cable: RS-232 to P.C.	4YVU3

