



MULTITEST
Torque, Force & Tension
Calibration System

MULTITEST™ Calibration System

The MULTITEST Torque, Force and Tension Calibration System is the most sophisticated system available in the industry. This system will test and calibrate most types of torque wrenches, torque screwdrivers, torque multipliers, cable tensiometers, tension and compression gauges and non-impact power tools such as nutrunners and electric screwdrivers.

The MULTITEST Calibration System can be ordered several ways. Each system begins with the same three basic components: the MULTITEST

Digital Monitor,
the Roller Cabinet

and the 2000 ft.lb. Mechanical Loader. We offer three

different systems, the "Premier", the "Supreme" and the "Basic". These systems and their components are described in detail on the next few pages.

In addition, you may order any component separately to build your own "custom" system.



**Multitest Digital Monitor
with Soft Touch Keys**

FEATURES:

- Automatic sensor recognition with "Smart" Transducers
- Range: 5 in. oz. to 2000 ft. lb. torque (bi-directional)
- Accuracy: $\pm 0.25\%$ of indicated value, CW & CCW, from 10% to 100% of full scale, (except 2000-4-02*)
- Built-in, low profile serial printer
- Date and time stamp for stored values
- Statistical analysis performed on stored data
- Programmable manual or automatic options for clear, store and print functions
- Recall and review of stored torque values
- Track, Peak, First Peak, Power Tool Modes
- RS232C port, analog output
- Eight Torque measurement units:
in. oz., in. lb., ft. lb., Nm, dNm, cNm, mkg and cmkg
- Six Force units: Ounce, Pound, Newton, deciNewton, Kilopound (Kilogram) and Gram
- Automatic lock-up for transducer protection
- All transducers supplied with certification
- Individually serialized with matching certificate of calibration traceable to N.I.S.T.



**Download torque
values, SPC data
and histograms.**

MULTITEST™ "Premier" Calibration System

CDI's All Inclusive Calibration System

Part Number 2000-1

FEATURES:

- Our most comprehensive calibration system for torque and force
- Calibrate torque wrenches up to 2000 ft. lbs.
- Check the accuracy and calibrate cable tensiometers, tension and compression gauges
- Includes the easy-to-use 4-in-1 transducer kit
- Eleven single transducers ranging from 5 in. oz. up to 2000 ft. lbs.
- Includes torque screwdriver testing kit
- Automatic safety feature locks system to prevent overloading and possible damage to transducers
- Displays eight units of torque and six units of force
- Also includes a calibration stand and all necessary calibration wheels, arms, weights and trays
- Downloading software included



Compression Gauge Testing Kit



*Torque
Screwdriver
Test Kit*



MULTITEST™ "Premier" Calibration System, Continued

The World's Most Complete System...

Part Number 2000-1 consists of the following:

Part No.	Description
2000-610-02	MULTITEST Monitor
2000-600-02	Mechanical Loader 2000 ft. lb. capacity
2000-100-02	Roller Cabinet
2000-400-02	4 in 1 Transducer Kit, 4 in. lbs. to 250 ft. lbs.
2000-500-02	4 In 1 Transducer Adapter Kit
2000-4-02*	Transducer Range From 5 - 50 in. ozs. (*± 0.5%)
2000-5-02	Transducer Range From 15 - 200 in. ozs.
2000-6-02	Transducer Range From 4 - 50 in. lbs.
2000-65-02	Transducer Range From 15 - 150 in. lbs.
2000-7-02	Transducer Range From 30 - 400 in. lbs.
2000-8-02	Transducer Range From 80 - 1000 in. lbs.
2000-10-02	Transducer Range From 10 - 125 ft. lbs.
2000-11-02	Transducer Range From 20 - 250 ft. lbs.
2000-12-02	Transducer Range From 60 - 600 ft. lbs.
2000-13-02	Transducer Range From 100 - 1000 ft. lbs.
2000-14-02	Transducer Range From 200 - 2000 ft. lbs.
900-0-1KIT	Joint Rate Simulator 50 in. lbs. capacity
900-2-01KIT	Joint Rate Simulator 400 in. lbs. capacity
900-3-01KIT	Joint Rate Simulator 1000 in. lbs. capacity

Part No.	Description
2000-550-02	Extension Arm Kit for Long Torque Wrenches
2000-750-02	Torque Screwdriver Testing Kit
2000-320-0	No. 1 Weight Set
2500-50-0	2-1/2" Calibration Wheel
2000-151-0	5" Calibration Wheel
2000-152-0	10" Butterfly Wheel
2000-154-0	40" Calibration Arm
390-2-2	4 oz. Weight Hanger
2000-301	8 oz. Weight Hanger
2000-304-0	7.5 lb. Weight Hanger
2000-302-0	15 lb. Weight Hanger
2000-303-0	50 lb. Weight Hanger
2000-250-02	Calibration Stand Kit
2000-260-0	Tensiometer Testing Kit
2000-261-0	Tension Gauge Testing Kit
2000-262-0	Compression Gauge Testing Kit
2000-263-02	Force Arm Kit
2000-SW	PC Software
2000-50-1	Cable from MULTITEST to PC



Calibration Arms and Wheels



Calibration Weights and Trays



4 in 1 Transducer Kit with Mounting Adapter

Tests and Calibrates Wrenches up to 2000 ft. lbs.



MULTITEST™ "Supreme" Calibration System

CDI's Torque-Only System

Listed below are all of the components to CDI's "Supreme" MULTITEST Torque Calibration System. This is our mid-range system for torque, which has a range from 15 in. ozs. to 2000 ft. lbs. Designed for the user who requires precision accuracy and reliability in a torque calibration system. This set includes an extension arm for long torque wrenches and 3 joint rate simulators for testing power tools.* PC compatible software and cables are also included.

Part Number 2000-2 consists of the following:

Part No.	Description
2000-610-02	MULTITEST Monitor
2000-600-02	Mechanical Loader 2000 ft. lb. capacity
2000-100-02	Roller Cabinet
2000-400-02	4 in 1 Transducer Kit, 4 in. lbs. to 250 ft. lbs.
2000-500-02	4 In 1 Transducer Adapter Kit
2000-4-02	Transducer Range From 5 - 50 in. ozs.
2000-5-02	Transducer Range From 15 - 200 in. ozs.
2000-12-02	Transducer Range From 60 - 600 ft. lbs.
2000-13-02	Transducer Range From 100 - 1000 ft. lbs.
2000-14-02	Transducer Range From 200 - 2000 ft. lbs.
2000-550-02	Extension Arm Kit For Long Torque Wrenches
900-0-1KIT	Joint Rate Simulator 50 in. lbs. capacity
900-2-01KIT	Joint Rate Simulator 400 in. lbs. capacity
900-3-01KIT	Joint Rate Simulator 1000 in. lbs. capacity
2000-SW	PC Software
2000-50-1	Cable from MULTITEST to PC

* Not for use with impact and pulse tools.

Additional components may be ordered separately, see pages 14 & 15.

4 in 1 Transducer

Ranges:

- 1/4" 4 - 50 in. lbs.
- 3/8" 30 - 400 in. lbs.
- 3/8" 80 - 1000 in. lbs.
- 1/2" 20 - 250 ft. lbs.



Joint Rate Simulator with Adapter Bit



MULTITEST™ “Basic” Calibration System

CDI’s “Build Your Own”

Torque Calibration System.

Listed below are all of the components to CDI’s “Basic” MULTITEST Calibration System. The system includes the 4 in 1 transducer, which is capable of calibrating torque tools from 4 in. lbs. through 250 ft. lbs. Also included is the 2000 ft. lb. loader and the MULTITEST monitor.



4 in 1 Transducer

Ranges:

- 1/4" 4 - 50 in. lbs.
- 3/8" 30 - 400 in. lbs.
- 3/8" 80 -1000 in. lbs.
- 1/2" 20 - 250 ft. lbs.

Part Number 2000-3 consists of the following:

Part No.	Description
2000-610-02	MULTITEST Monitor
2000-600-02	Mechanical Loader 2000 ft. lb. capacity
2000-100-02	Roller Cabinet
2000-400-02	4 in 1 Transducer Kit, 4 in. lbs. to 250 ft. lbs.
2000-500-02	4 In 1 Transducer Adapter Kit

Additional components may be ordered separately, see pages 14 & 15.



Calibrates All Wrenches from 4 in. lbs. through 250 ft. lbs.

