

## ST Series Digital Torque Meter

ST Series Digital Torque Meter, an intelligent metrologic instrument, which is designed for various torque testing and measuring, is mainly used for detecting and calibrating various power screwdrivers (speed  $\leq 5000$ rpm), wrench with torque control, parts fracture testing and other relative torsion torque testing. It is widely used in electric, light industry, machine-building, scientific research and so on.

### Characteristics

Peak holding and auto-releasing function: The peak holding time can be set (1-10 seconds);

Comparing function: Initial input of the tolerance limit (Max/Min) enables the device to judge the measured result as Go (Green pilot lamp)/NG (Red pilot lamp);

Memory function: Memory 10 testing data, and calculate the average;

Three units conversion: Converting three units (N.m, kgf.cm, lbf.in) automatically;

Automatic power off function: The power off time (1-60 minutes) can be set by yourself.

Insider printer: Printing testing curve or 10 groups of test data.

RS-232 output: Connecting to microprinter or computer to view force value curve by testing software. The testing data also can be transmitted to computer and save it into Excel to do analysis and print. (ST-50-500 is insider printer)



ST-1~20



CD Software



ST-50~500

### Parameter

Model	ST-1	ST-2	ST-5	ST-10	ST-20	ST-50	ST-100	ST-200	ST-500
Capacity	1N.m	2N.m	5N.m	10N.m	20N.m	50N.m	100N.m	200N.m	500N.m
Resolution	0.0005N.m	0.001N.m	0.002N.m	0.005N.m	0.01N.m	0.02N.m	0.05N.m	0.1N.m	0.2N.m
Sensor type	Sensor Inside					Sensor Output			
Accuracy	$\pm 0.5\%$ FS					$\pm 1\%$ FS			
Testingspeed	$\leq 3000$ rpm								
Power	8.4V 1.2V $\times$ 7 Nickel hydride battery, using 40 hours when charging full, standby time about 3 months, battery life $\geq 300$ times					220 $\pm$ 10%V 100W			
Adaptor	Input: AC 220V 50Hz Output: DC 12V 300mA								
Weight	About 2.4kg					About 20.0kg			

## ST-B Series Digital Torque Meter

ST-B Series Cap Torque Meter, an intelligent metrologic instrument, is designed for detecting and calibrating the torsion of approval and closure of various caps. The clamp installation is easy, rapid and its diameter can reach 200mm.

### Characteristics

Peak holding and auto-releasing function: The peak holding time can be set (1-10 seconds);

Comparing function: Initial input of the tolerance limit (Max/Min) enables the device to judge the measured result as Go (Green pilot lamp)/NG (Red pilot lamp);

Memory function: Memory 10 testing data, and calculate the average;

Three units conversion: Converting three units (N.m, kgf.cm, lbf.in) automatically;

Automatic power off function: The power off time (1-60 minutes) can be set by yourself.

Insider printer: Printing testing curve or 10 groups of test data.

RS-232 output: Connecting to computer to view force value curve by testing software. The testing data also can be transmitted to computer and save it into Excel to do analysis and print.



ST-B Series Digital Torque Meter



CD Software

### Parameter

Model	ST-1B	ST-2B	ST-5B	ST-10B	ST-20B
Capacity	1N.m	2N.m	5N.m	10N.m	20N.m
Resolution	0.0005N.m	0.001N.m	0.002N.m	0.005N.m	0.01N.m
Accuracy	$\pm 0.5\%$ FS				
Power	220 $\pm$ 10%V 100W				
Adaptor	365 $\times$ 210 $\times$ 135mm				
Weight	About 9.0kg				