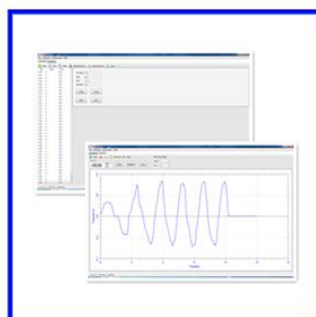




However high the quality of your screwdriver, you cannot make full use of its potential unless you down the right amount of torque for each job and make sure that is the torque being delivered. With a motive digital torque meter you can make torque settings on screwdrivers, check torque wrenches or make torque measurements of various kinds of rotation tools. With an optional attachment, it is also possible to transfer and aircraft measurement data to a computer for use in integrated production management systems.

Easy to use, accurate and low in cost, motive digital torque meters are used by manufacturers of electronic goods, cameras, watches and other kinds of precision instruments, as well as by makers of automobiles

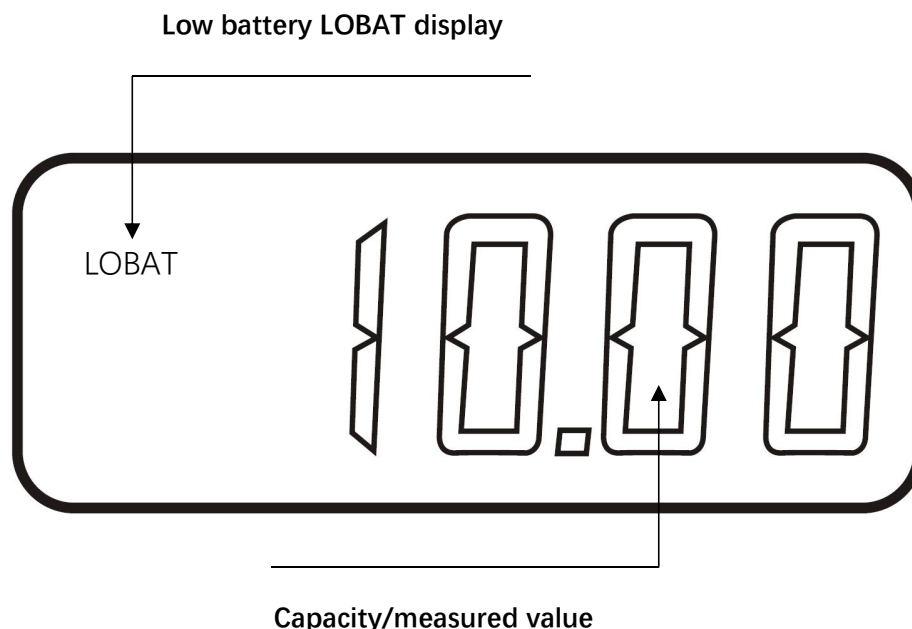
Gallery



Features

- Up to 100 data measurements can be stored in memory at a time.
- Checks maximum, minimum and average torque measurements.
- Torque value display can be automatically reset to zero.
- Torque value display are automatically recalibrated.
- Values are displayed digitally for ease and accuracy in reading out data.
- Peak torque values are frozen until the display is reset to insure accuracy when setting torque of Instruments.
- Can be set for rotation in either direction, for easy measurement of both tightening and loosening torque.
- Counterclockwise torque measurement is indicated by a minus sign in front of displayed values.
- The strain meter is directly attached to the torque sensor, as part of the instrument's simple, rugged design.
- Can be integrated into a statistical process control system.
- Small, light and operated by rechargeable battery, this instrument is highly portable

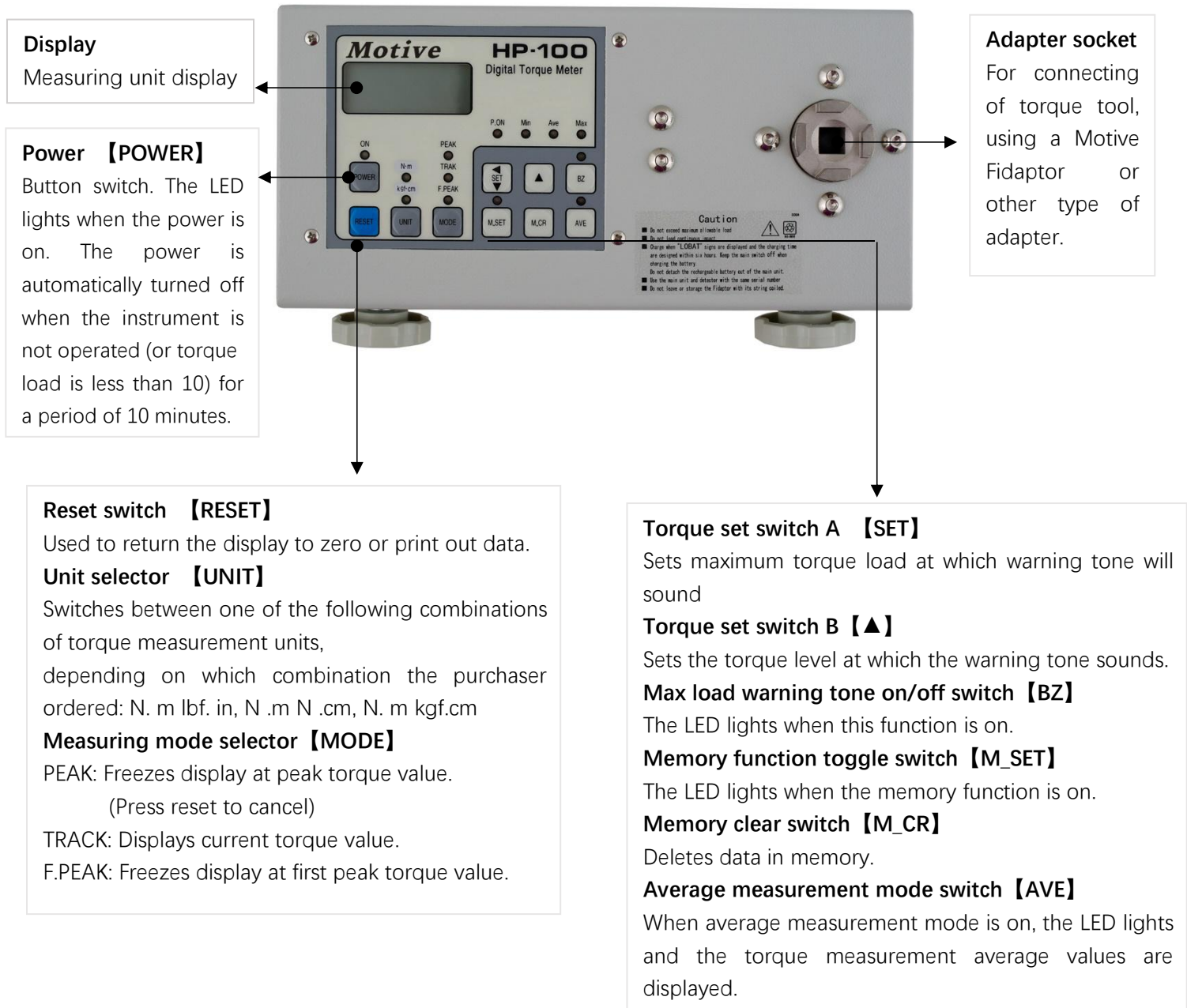
Display indicators



Measuring unit display

Model	N.m
HP-10	0.000
HP-50	0.00
HP-100	0.00

Names and functions of parts



**DIP switch**

For setting auto reset timer and turning data output on ("P.ON" LED indicates "on" setting).

Analog data output 【ANALOG OUT】

Digital data output 【DATA OUT】

Press reset to output measurement data. This functions makes it possible to use the instrument in statistical process control systems.*

AC connector
For battery charger.

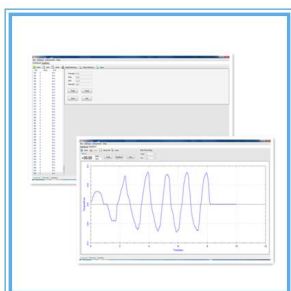
Specifications

Accuracy:	±0.5% F.S. ±1digit
Measuring unit:	N.m Kgf.cm Lbf.in
Power:	Six 1.2V NI/MH cells 1300mA
Recharge time:	UP to 6 hours
Running time on full charge: (continuous operation)	8 hours
Operating temperature:	0 to +40°C
Battery life:	About 300 chargings
Dimensions:	See figure
Weight:	Approx.1.8kg
Battery charger:	Runs on 100-240V AC power (50/60HZ) Output 8-9V DC (0.5A)

Optional Equipment



A wide range of test stands and gripping fixtures



Software

Tabulates and plots Also calculates statistics, exports to Excel, and more.



Certificate of calibration with data

Ordering Information

Capacity & Resolution

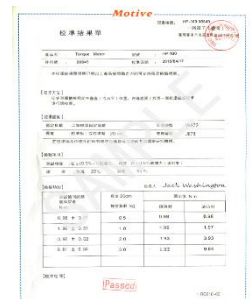
Model	Peak range		
	N.m	Kgf.cm	Lbf.in
HP-10	0.015-1.000	0.15-10.00	0.15-9.00
HP-50	0.15-5.00	1.5-50.0	1.5-45.0
HP-100	0.15-10.00	1.5-100.0	1.5-90.0

In the box



HP digital torque meters are shipped as shown at left, and include the following accessories:

- (1) Fidaptor
- (1) Threaded shaft 4mm
- (1) Threaded shaft 5mm
- (1) Hex shank(fits 5mm and 6.35mm sockets)
- (1) Carrying case
- (1) AC adapter
- (1) Software CD data line(Purchase)



Included Accessories

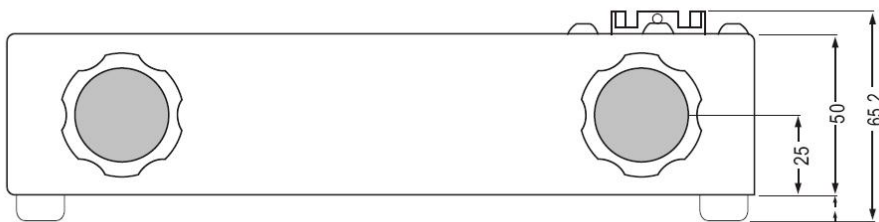
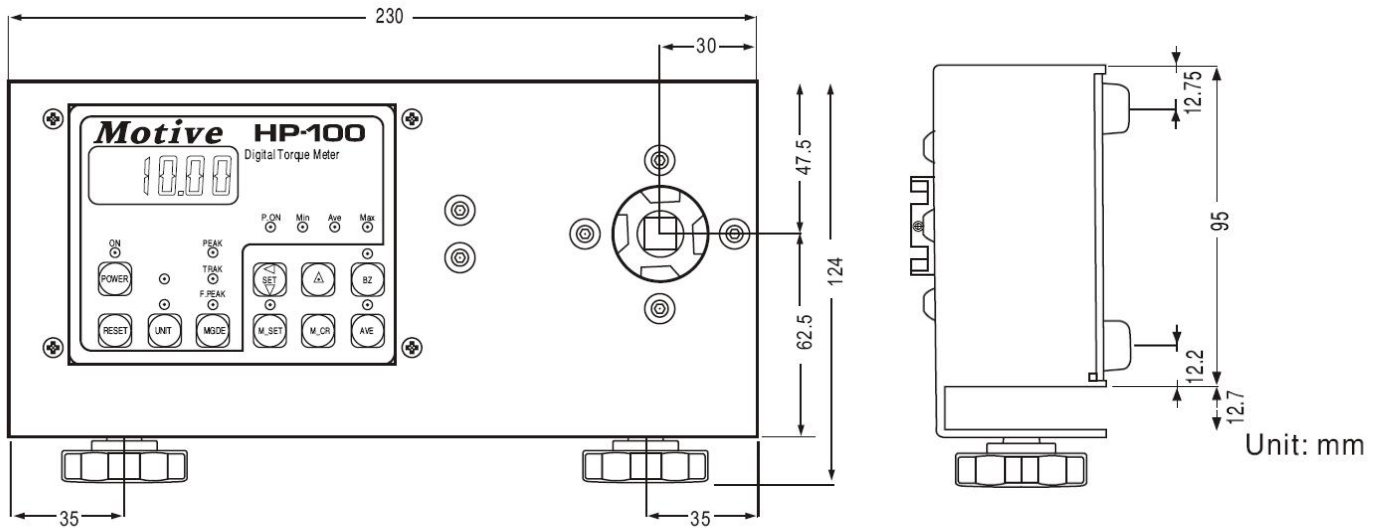
Model

	Attachments	HP-10	HP-50	HP-100
	Hex. Shank		HP-50 HP-100	
	Motive shank Φ4	HP-10 HP-50 HP-100		
	Motive shank Φ5		HP-50 HP-100	
	Buffer Spring	HP-10 HP-50 HP-100		
	Buffer Spring		HP-50 HP-100	
	Fidaptor		HP-50 HP-100	
	Fidaptor		HP-10	

Additional Items to Consider

	Consumable parts	Specifications
	gauge software	HP
	AC adapter	Spare AC adapter, 100V-240V 50/60HZ
	Load cell	10Kgf.cm 50kgf.cm 100Kgf.cm
	Battery	6 sections, 1 group

Dimensions(mm)



Both Model HP-100 and HP-10 have the same dimensions.

Note that specifications or the external appearance of Motive torque meters are subject to change without notice.

