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Measuring Instrument Series: Torque Meters



HP-100

* The HP Torque Meter series was upgraded in October, 1999, adding power save and other functions. Accordingly, some standard accessory parts were also modified.

■ Specifications

Model		HP-100	HP-10
Peak Mode Measurement Range	N•m	0.15 - 10.00	0.015 -1.000
	lbf•in	1.5 - 90.0	0.15 - 9.00
	(kgf•cm)	1.5 - 100.0	0.15 -10.00
Accuracy		± 0.5% (F. S)	
Measurement Modes		track, peak	
Dimensions (mm)		124 x 230 x 65 (H)	
Weight (kg)		1.8	
Power source (Recharging time)		1.2 V NiCd cell x 5 or rechargeable battery (8 hours charging time)	
Continuous use at full charge		12 hours / 100 hours in power save mode.	
Rechargeable Battery		AC120 V or 220-240 V input, DC7.2 V, 120 mA output	
Circuits		Printer output / Analog output	

■ Standard Accessories

Market Areas	Model	Fidaptor With Safety Guard	Driver Shaft		Fidaptor Buffer Spring	Grease (*)	Exclusive Battery Charger
Korea Taiwan Hong Kong Sin-gapore	HP-100	Hios shank ∅5 Measuring range: 0.5 - 3 N•m (Black Spring) 1 piece Part No.TF5G-Z (Fig. 1)	Hex. shank (Convertible shaft) 5 mm subtense (Upper) 6.35 mm subtense (Lower) 1 piece Part No. TF6XG-0010 (Fig. 5)	Hios shank ∅4 1 piece Part No. TF5G-0010-4 (Fig. 6)	To use for measuring Lower range: 0.15 - 0.6 N•m (Yellow Spring) 1 piece	Part No. TF-G3 1 piece	120V 1 piece Korea Taiwan U.S.A. Canada Parts No. TCH-120N
	HP-10	Hios shank ∅4 Measuring range: 0.15 - 0.6 N•m (Yellow Spring) 1 piece Part No.TF4G-Z (Fig. 2)					220V 1 piece Hong Kong Europe Part No. TCH-230G
Europe U.S.A. Canada Australia	HP-100	Hex. shank (convertible shaft) 5 mm subtense (upper) 6.35 mm subtense (Lower) Measuring range: 0.5 - 3 N•m (Black Spring) 1 piece Part No. TF6XG-Z (Fig. 3)			To use for measuring Lower range: 0.15 - 0.6 N•m (Yellow Spring) 1 piece		220V 1 piece Singapore U.K. Australia Part No. TCH-230B
	HP-10	Hex. shank (convertible shaft) 5 mm subtense (upper) 6.35 mm subtense (Lower) Measuring range: 0.15 - 0.6 N•m (Yellow Spring) 1 piece Part No. TF6SG-Z (Fig. 4)					

■ HP series

HP-100/HP-10

Torque meters for torque setting of electric screwdrivers, checking of torque drivers or torque wrenches, etc. and torque measuring of rotors.
Measured torque is displayed on digital indicator.

Comes with printer and analog output terminals. Has power save function (gives 100 hours of continuous use in power save mode).

Other features:

- a minus sign is displayed when measuring in the counterclockwise direction
- this minus sign is also printed out

■ Order Code No.

Model	Code No.	Bit Shank
HP-100	HP-100H-110	H: With a Hios shank fidaptor. X: With a 1/4 Hex. shank fidaptor.
	HP-100X-120	
	HP-100H-220	
	HP-100X-220	
HP-10	HP-10H-110	
	HP-10X-120	
	HP-10H-220	
	HP-10X-220	

■ Fidaptor with safety guard

The Fidaptor is an adaptor that buffers and absorbs the inertia that occurs during high-speed rotation. It has almost the same effect as that obtained in actual tapping screw fastening work. To control a clutch type torque-controlled screwdriver, put this adaptor in the balancing socket, then rotate the screwdriver.
Torque values are detected when the clutch is disengaged (automatically stopped). Also, it comes with a safety guard type for the purpose of safety.



Fig. 1 Fig. 2 Fig. 3 Fig. 4

■ Driver shaft (HP-100 standard accessories)

Use one of the accessory shafts with screw if the Hios shank ∅5 does not fit the bit bearing of the driver being measured.


Fig. 5 Fig. 6

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