

Digital Torque Meter Series

- Measurement data can be transferred to a computer. (This requires an input tool.)
- Up to 100 data measurements can be stored in memory at a time. (HP series and HDP series)
- Can be checks maximum, minimum and average torque measurement. (HP series and HDP series)
- Measurement can be easily taken in either clockwise or counterclockwise direction.
- Data can be output either numerically or as waveforms.
- Light, compact and operating on a rechargeable battery, it is convenient for carrying around any job site.

HP

HP-10
HP-100

RoHS CE



Use for making torque settings on electric drivers, checking torque of torque wrenches or measuring torque of fasteners, etc.

Model		HP-10	HP-100
Peak measuring range	N • m	0.015 - 1.000	0.15 - 10.00
	lbf • in	0.15 - 9.00	1.5 - 90.0
	(kgf • cm)	(0.15 - 10.00)	(1.5 - 100.0)
Accuracy	Up to ± 0.5% (F.S.)		
Measuring modes	track, peak, first peak		
Dimensions (mm)	230 × 124 × 65.2 (H)		
Weight	1.8kg		
Battery pack (charging time)	1.2V NiMH cells 1,000mA (6 hours)		
Continuous running time on a full charge	8 hours		
Battery life	Approx. 300 charges		
Exclusive battery charger	AC 100V-240V input (50 or 60Hz) DC 7.3V-8V output 0.5 A		
Accessories	See p. 18		

HDP

HDP-5
HDP-50
HDP-100
(option)

RoHS CE



Use for measuring slack torque of fastened screws or torque increase.

Model		HDP-5	HDP-50	HDP-100
Peak measuring range	N • m	0.015 - 0.500	0.15 - 5.00	0.15 - 10.00
	lbf • in	0.15 - 4.40	1.5 - 44.0	1.5 - 90.0
	(kgf • cm)	(0.15 - 5.00)	(1.5 - 50.0)	1.5 - 100.0
Accuracy	Up to ± 0.5% (F.S.)			
Measuring modes	track, peak, first peak			
Dimensions (mm)	Display unit	125 × 95.6 × 42(H)		
	Detector	104(L) × Ø21	160(L) × Ø34.5	
Weight	Display unit	780g		
	Detector	68g	250g	
Detector cord	1.7m (No.: DPC-0506)			
Battery pack (charging time)	1.2V NiMH cells 1,000mA (6 hours)			
Continuous running time on a full charge	8 hours			
Battery life	Approx. 300 charges			
Exclusive battery charger	AC 100V-240V input (50 or 60Hz) DC 7.3V-8V output 0.5A			
Accessories	See p. 18			

HM

HM-10
HM-100

RoHS CE



Use for control of torque of automatic drivers.

Model		HM-10	HM-100
Peak measuring range	N • m	0.015 - 1.000	0.15 - 10.00
	lbf • in	0.15 - 9.0	1.5 - 90.0
	(kgf • cm)	(0.15 - 10.0)	(1.5 - 100.0)
Accuracy	Up to ± 0.5% (F.S.)		
Measuring modes	track, peak		
Dimensions (mm)	165 × 95 × 55(H)		
Weight	1.0kg		
Detector cord	1.7m (No.: DPC-0506)		
Battery pack (charging time)	1.2V Nicd cell (8 hours)		
Continuous running time on a full charge	30 hours		
Battery life	Approx. 300 charges		
Exclusive battery charger	AC 100V, 120V or 220V-240V input DC 7.2V output 120mA		
Accessories	See p. 18		

HIT

HIT-200
HIT-500
HIT-2000







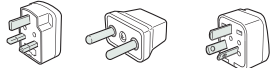
RoHS CE



Use for control of torque of impact drivers and torque wrenches.

Model		HIT-200	HIT-500	HIT-2000
Peak measuring range	N • m	0.15 - 18.00	1.5 - 50.0	25.0 - 180.0
	lbf • in	1.5 - 160.0	15 - 440	250 - 1600
	(kgf • cm)	(1.5 - 180.0)	(15 - 500)	(250 - 1800)
Accuracy	Up to ± 1% (F.S.)			
Measuring modes	peak, track, first peak			
Dimensions of display (mm)	165 × 95 × 55(H)			
Weight	Display unit	1.0kg		
	Detector	0.85kg	1.65kg	1.65kg
Socket dimensions	9.5sq mm	12.7sq mm	12.7sq mm	
Detector cord	1.7m (No.: DPC-0506)			
Battery pack (charging time)	1.2V Nicd cell (8 hours)			
Continuous running time on a full charge	30 hours			
Battery life	Approx. 300 charges			
Exclusive battery charger	AC 100V, 120V or 220V-240V input DC 7.2V output 120mA			

●HP Standard Accessories

Market Areas	Model	Fidaptor with Safety Guard	Driver Shaft	Fidaptor Buffer Spring	Grease	Exclusive Battery Charger
China Japan Korea	HP-10	Hios shank Ø4 Measuring range: 0.15-0.6 N·m (Yellow Spring) 1 piece Part No. TF4G-Z 	Hex. shank (convertible shaft) 1 piece 5 mm subtense (upper) 6.35 mm subtense (Lower) Part No. TF6XG-0010 (A) 		Yellow Spring 1 piece Measuring range: 0.15-0.6 N·m Part No. CL65-0040	Part No. TCH-MULTI 1 piece (A plug) 100V-240V
Taiwan Hong Kong Singapore	HP-100	Hios shank Ø5 Measuring range: 0.5-3 N·m (Black Spring) 1 piece Part No. TF5G-Z 				
Europe U.S.A. Canada U.K.	HP-10	Hex. shank (convertible shaft) Measuring range: 0.15-0.6 N·m (Yellow Spring) 1 piece 5 mm subtense (upper) 6.35 mm subtense (Lower) Part No. TF6SG-Z 	Hex. shank (convertible shaft) Measuring range: 0.5-3 N·m (Black Spring) 1 piece 5 mm subtense (upper) 6.35 mm subtense (Lower) Part No. TF6XG-Z 		Yellow Spring 1 piece Measuring range: 0.15-0.6 N·m Part No. CL65-0040	Calibration Sheet (quantity: 3)  220 Volt Adaptor Plug* 
U.K. Australia	HP-100	Hex. shank (convertible shaft) Measuring range: 0.5-3 N·m (Black Spring) 1 piece 5 mm subtense (upper) 6.35 mm subtense (Lower) Part No. TF6XG-Z				

●Fidaptor

An adaptor that checks the torque value preset on an electric driver and absorbs inertia created by high speed rotation, giving nearly the same torque effect as an actual tap screw.


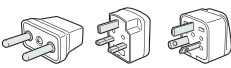
●Threaded shaft

This threaded shaft is provided for use when the Hios 5mm shank does not fit the bit of the driver to be measured.

●Optional Fidaptors

Model	Measuring range	Bit type	Applicable drivers
TF4S-Z	less than 0.25 N·m	Hios shank Ø4	BL-2000, BL-3000, CL-2000, CL-3000, CL-4000, SS-2000, SS-3000, SS-4000 screwdriver
TF6U-Z	3 - 9 N·m	6.35 mm hex shank	Driver model 6.35mm hex shank

●HDP Standard Accessories

Market Areas	Model	Bit	Detector cord	Auxiliary Arm	Exclusive Battery Charger	*Attached one type based on countries.
China Japan Korea	HDP-5	Hios shank Ø4 +Bit #0 × 40 mm #1 × 40 mm #2 × 40 mm 1 piece each	1 piece Part No. DPC-0506	1 piece	Part No. TCH-MULTI 1 piece (A plug) 100V-240V	Part No. TCH-EU 1 piece (C plug) 100V-240V
Taiwan Hong Kong Singapore	HDP-50	Hios shank Ø5 +Bit #0 × 60 mm #1 × 60 mm #2 × 60 mm 1 piece each				
Europe U.S.A. Canada U.K.	HDP-5	6.35 mm hex shank +Bit #1 × 50 mm #2 × 50 mm 1 piece each	1 piece	1 piece	Calibration Sheet (quantity: 3)  220Volt Adaptor Plug* 	*Users in Japan, South Korea, Taiwan, Mexico, the United States and Canada do not need an adaptor plug.
U.K. Australia	HDP-50	6.35 mm hex shank +Bit #1 × 50 mm #2 × 50 mm 1 piece each				

HM and HIT standard accessories

(Power units and countries where they can be used)

TCH-100N
100V
Japan



TCH-120N
120V
Korea
Taiwan
U.S.A.
Canada



TCH-230G
220V-240V
Hong Kong
Europe
China



TCH-230B
220V-240V
Singapore
U.K.
Australia



●Accessories with HM series

Select the Fidaptor model that fits the measurement needs of your automatic operation screwdriver.



model:
TFM26-Z



model:
TFM40-Z



model:
TFM20-Z

Accessories to standard Fidaptors

HM-10
Phillips head #1 bit
measuring range:
0.15-0.6 N·m
one yellow spring
model: **TFM26-Z**

HM-100
Phillips head #2 bit
measuring range:
0.5-3 N·m
one black spring
model: **TFM40-Z**

Optional Fidaptor

Phillips head #0 bit
measuring range: 0.25 N·m
(for measurement)
one red spring
model: **TFM20-Z**