Digital Torque Meter Series

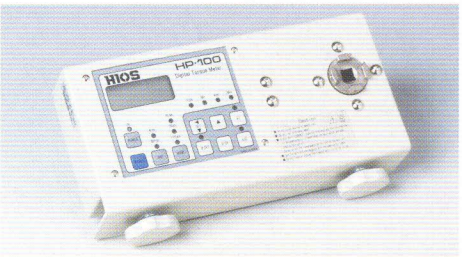
Hios torque meters are world standard instruments.

- Measurement data can be transferred to a computer. (This requires an input tool.)
- Up to 100 data measurements can be stores 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



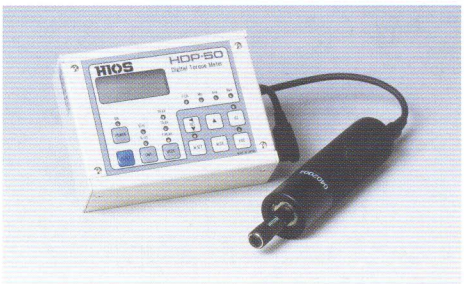
Model		HP-10	HP-100
Peak measuring range	N • m	0.015 - 1.000	0.15 - 10.00
	lbf • in	0.15 - 9.00	1.5 - 90.0
	(kgf • cm)	(0.15 - 10.00)	(1.5 - 100.0)
Accuracy		Up to ± 0.5% (F.S.)	
Measuring modes		track, peak, first peak	
Dimensions (mm)		230 × 124 × 65.2 (H)	
Weight		1.8kg	
Battery pack (charging time)		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	

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

HDP

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

RoHS CE



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) × ∅21	160(L) × ∅34.5	
	Detector bit socket	Hios H4 or 1/4 Hex	Hios H5 or 1/4 Hex	1/4 Hex
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)		
		DC7.3V-8V output 0.5A		

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

HM

HM-10
HM-100

RoHS CE

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		1.0 kg	
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	
		DC7.2V output 120mA	

Use for control of torque of automatic drivers.

HIT

HIT-200
HIT-500
HIT-2000

RoHS CE

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	1.0 kg		
	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		
		DC7.2V output 120mA		

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

■HP Standard Accessories

Standard Accessories

Market Areas	Model	Fidaptor with Safety Guard	Driver Shaft※	Fidaptor Buffer Spring	Grease	Others
China Japan Korea Taiwan Hong Kong Sin-gapore	HP-10	Hios shank Ø4 Measuring range: 0.15-0.6 N・m (Yellow Spring) 1 piece Part No.**TF4G-Z**				Battery Charger *See Battery Charger List Calibration Sheet
	HP-100	Hios shank Ø5 Measuring range: 0.5-3 N・m (Black Spring) 1 piece Part No.**TF5G-Z**	Hex. shank (convertible shaft) 1 piece 5 mm subtense (upper) 6.35 mm subtense (Lower) Part No.**TF6XG-0010 (A)** Hios shank Ø4 1 piece Part No.**TF5G-0010-4 (B)** (A) (B)	Yellow Spring 1 piece Measuring range: 0.15-0.6 N・m Part No.**CL65-0040**	1 piece Part No. **TF-G3**	
Europe U.S.A. Canada U.K. Australia	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**				
	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**		Yellow Spring 1 piece Measuring range: 0.15-0.6 N・m Part No.**CL65-0040**		

※**Driver 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

■ For HP-10

Hios shank Ø4
Measuring range:
Less than
0.25 N • m
(Black Spring)
1 piece
Part No.
TF4S-Z

Hex. shank
Measuring range:
3-9 N • m
(Black Spring)
1 piece
Part No.
TF6U-Z

■ For HP-100

Hex. shank
Measuring range:
3-9 N • m
(Black Spring)
1 piece
Part No.
TF6UP-Z

■HDP Standard Accessories

Standard Accessories

Market Areas	Model	Bit	Sensor Unit Cord	Support Arm	Others
China Japan Korea Taiwan Hong Kong Singapore	HDP-5	Hios shank Ø4 +Bit #0 × 40 mm #1 × 40 mm #2 × 40 mm	1.7m 1 piece Part No. **DPC-0506**	1 piece	Battery Charger *See Battery Charger List Calibration Sheet
	HDP-50	Hios shank Ø5 +Bit #0 × 60 mm #1 × 60 mm #2 × 60 mm			
	HDP-100 (Oprion)	6.35 mm hex shank +Bit #1 × 50 mm #2 × 50 mm			
Europe U.S.A. Canada U.K. Australia	HDP-5	6.35 mm hex shank +Bit #1 × 50 mm #2 × 50 mm		1 piece	
	HDP-50 HDP-100 (Oprion)	6.35 mm hex shank +Bit #1 × 50 mm #2 × 50 mm			

■HM Series

Standard Accessories

Model	Fidaptor	Fidaptor Buffer Spring	Screws of Fidaptor	L-Type Wrench	Sensor Unit Cord	Others
HM-10	Phillips head #1 bit measuring range: 0.15-0.6 N • m one yellow spring Part No.**TFM26-Z**		5 pcs. of Phillips-head pan screw 2 pcs. of Hexagonal head screw	The Opposite side: 1.5mm 1Piece	1.7m 1 piece Part No. **DPC-0506**	Battery Charger *See Battery Charger List Calibration Sheet
HM-100	Phillips head #2 bit measuring range: 0.5-3 N • m one black spring Part No.**TFM40-Z**	Yellow Spring 1 piece Measuring range: 0.15-0.6 N • m Part No. **CL65-0040**	5 pcs. of Phillips-head pan screw 2 pcs. of Hexagonal head screw	The Opposite side: 1.5mm, 2mm 1Piece each		

Optional Fidaptors

■ For HM-10

Phillips head #0 bit measuring range:
Less than 0.25 N • m (for measurement)
(Red spring)
Part No. **TFM20-Z**

■Battery Charger List

HP/HDP Series

Market Areas	Battery Charger
China※ Japan Korea Taiwan Hong Kong※ Singapore※ U.S.A. Canada U.K.※ Australia※	100V-240V Part No. **TCH-MULTI** **(A plug)**
Europe	100V-240V Part No. **TCH-EU** **(C plug)**

※ Note : With 3 types Adaptor Plug

Type C Type BF Type S

HM/HIT Series

Market Areas	Battery Charger
Japan	100V Part No. **TCH-100N**
Korea Taiwan U.S.A. Canada	120V Part No. **TCH-120N**
Hong Kong Europe China	220V-240V Part No. **TCH-230G**
Singapore U.K. Australia	220V-240V Part No. **TCH-230B**