

HP-Series



Torque test and checking



- With RS-232-C interface
- Fidaptors up to 10Nm available
- Digital LCD display offers error-free reading
- Battery operated thanks to built-in battery for 8 hours operating time

- Accuracy $\pm 0.5 \%$
- Peak value storage for determination of the maximum torque
- High sampling rate allows exact measurement of quick peak values
- Display depends on the direction of rotation
- Robust construction and easy operation
- Storage capacity for 100 measurement values

- The test unit serves preferably the determination or specification of the torque for mechanical screwdrivers with torque limitation or the determination of the torque required for thread cutting
- With suitable material tests, the optimal screw connection can be determined experimentally by specifying the tightening and breakaway torque and the torque is increased finally until the threads pull out
- The device is portable and battery-driven, however it can also be mounted on a vertical or horizontal plate with 2 knurled screws.

Technical Data

Model	HP-10***	HP-100***
Torque range Nm	0.015 - 1.0	0.15 - 10.0
Accuracy*	$\pm 0.5 \%$	$\pm 0.5 \%$
Charger input	100 - 240 V AC, 50/60 – Hz	100 - 240 V AC, 50/60 – Hz
Charger output	DC 7.3 - 8.0 V DC (0.5 A)	DC 7.3 - 8.0 V DC (0.5 A)
Storage capacity	100 measurement values	100 measurement values
Interface	RS-232-C	RS-232-C
Power supply 1000mA	5 x 1.2 V Ni-MH battery	5 x 1.2 V Ni-MH battery
Charging time:	6 h**	6 h**
Operating time	8 h**	8 h**
Battery life span**	300 charging cycles	300 charging cycles
Weight	1.8 kg	1.8 kg

* The load may not exceed the measurement range

** Since the battery life depends on the working conditions, it cannot be guaranteed

*** Included in the scope of delivery: charger, carrying case, Fidaptors



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Fidaptor (screw case simulator)

Model	Nm	Drive	Spring
TF4G-Z	0.15 - 0.6	HIOS ø4	yellow
TF5G-Z	0.5 - 3.0	HIOS ø5	black
TF6XG-Z	0.5 - 3.0	hex, 5mm, 1/4"	black
TF6SG-Z	0.15 - 0.6	hex, 5mm, 1/4"	yellow
TF6U-Z	3.0 - 9.0	hex, 1/4"	black



DP-1 VR

Optional printer

Torque test devices that have a data output can use it to print the values recorded and perform statistical calculations.

The printer has a simple statistics function. The thermo printer works quickly and quietly. Thanks to the good paper quality, the printout are also suited for long-term storage. Legible characters are printed. If necessary, data recorded can be transmitted via the RS-232-C

interface to a computer.

A time-dependent reading in of the measurement data (clock function) is possible. Furthermore, the printer can record up to 9,999 pieces of data. The printing method is a thermo document print 8P/mm (384 dots).

OK/NOK evaluation can also be adjusted.



Optional printer	DP-1 VR
Print capacity in characters	6,500 (large), 12,000 (small)
Input interval	0.25 s; 1 s; 5 s; 30 s; 1 min 30 min 60 min
Battery usage duration	10 years (watch battery), 10,000 lines (Ni-MH)
Power supply	Power supply 6 V; Battery: LR6 or Ni-MH