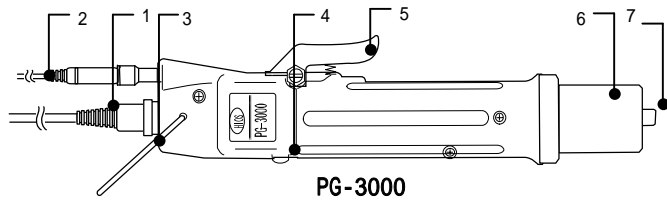
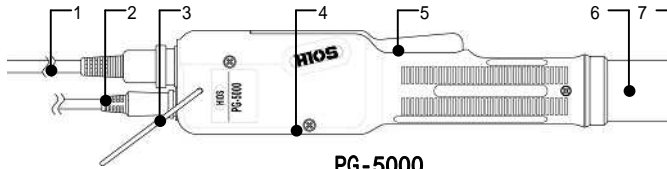


HIOS PG series Pass Guard System
 PG-3000 / PG-5000 / PG-7000 Instruction Manual
 -Spare Parts

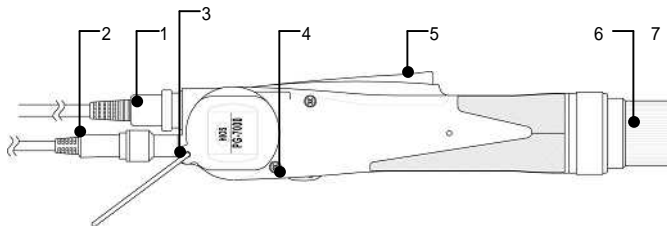
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PG-3000



PG-5000



PG-7000

1. Power Cable 2M
2. Sensor Cable 2M
3. Suspension Hanger
4. Forward/Reverse Switch
5. Switch Lever
6. Torque protection cover
(Torque adjustment nut inside)
7. Joint Shaft Collar

-Specification

MODEL		PG-3000	PG-5000	PG-7000
		Lever Start	Lever Start	Lever Start
Torque output	Nm	0.2-0.55	0.4-1.2	0.7-2.8
	Kgf cm	2-5.5	4-12	7-28
Non-load RPM	HI	980	900	960
	LOW	680	590	630
Screw size	Small Screw	1.7-2.3	2.0-3.0	2.6-5.0
	Tapping Screw	2.0-2.3	2.0-3.0	2.6-4.0
Dimension	Grip diameter (mm)	dia 32.5	dia 33.5	dia 39
	Length (mm)	245	260	298
Weight(g)		345	509	807
Bit type		hios H4(dia4mm)	hios H4(dia4mm)	hiosH5 or 1/4 HEX
Cable length/Sensor Cable		2M (6pin)/2M	2M (6pin)/2M	2M (6pin)/2M

-Power supply to PG series

1. Use the power supply "T-70BL", the specific power supply for HIOS Brushless Screwdriver series.

-Caution

1. Do not drop or cause a hard damage to PG screwdriver or power supply.
2. Keep away from any oil or other liquid materials.

-How to use

1. Check the combination between screwdriver and controller is applicable to use.
2. When Power supply is off, connect power cable and sensor cable.
3. Turn the power supply on then LED is on.
4. Read carefully "User Manual" of PG-01.
5. Torque adjustment

The torque is adjusted with a spring inside of the torque adjustment nut.

The torque is strong when the torque adjustment nut is fastened, weakened when loosening.

Note: The torque adjustment guide table is just the approximate torque change with the scale on the tool. It does not mention actual torque value at each position.

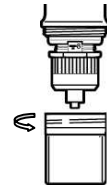
6. Torque setting

Set the target torque with HIOS Digital Torque meter and fidaptor.

To get the applicable torque value, tighten the torque adjustment nut when the torque value is till not enough. Reverse side for getting small torque.

-Tightening Process

1. Start the process after completing pre-setting instruction in User Manual of PG-01
2. Insert the screwdriver bit.
 - Remove the torque protection cover
 - Insert the screwdriver bit with pushing the joint shaft caller.
3. Start actual tightening process



4. Mechanical clutch works when the torque reaches to the target force.

Note: Use HIOS genuine screwdriver bit for HIOS tools



Caution!

Turn off the power supply to change the screwdriver bit. Changing the bit with power, it may cause a damage to your body.

Please use HIOS Digital Torque meter for any torque checking.

HP series for the checking with screwdrivers.

HDP series for the checking loosening torque.

-HIOS recommend temporary maintenance (normally once a year) with checking whole parts as PG series have a transducer.