



DC Controlled screwdrivers

HD Series

0,3 to 9,8 NM



- Brushless DC motor (service free)
- ESD free by body grounding
- Torque repeatability ~ 7%
- Inside memory chip for tool data and recognition
- Built - in air clutch
- Angle monitoring
- Sequencing programs

PHD100N-A/D

HD100N-A

HD220A

HD150PA

40 Volts hybrid screwdrivers

0,3 - 4,4 Nm

Model	Torque Range (Nm)	Speed rotation (rpm)	Drive	Starting system	Weight (Kg)	Code
HD081A	0,3 - 0,78	1000 to 1700	Hex 1/4"	Lever	0,44	6-1058880
HD150A-G	0,5 - 1,5	500 to 1800	Hex 1/4"	Lever	0,44	6-1027470
HD220A-G	0,7 - 2,2	400 to 1250	Hex 1/4"	Lever	0,44	6-1027471
HD450A-G	0,98 - 4,4	300 to 600	Hex 1/4"	Lever	0,51	6-1027472
HD150PA-G	0,5 - 1,5	500 to 1800	Hex 1/4"	Push to start	0,44	6-1027473
HD220PA-G	0,7 - 2,2	400 to 1250	Hex 1/4"	Push to start	0,44	6-1027475
HD450PA-G	0,98 - 4,4	300 to 600	Hex 1/4"	Push to start	0,51	6-1027474

Standard packing : screwdriver, 14P-3M cable, test bits.

40 Volts hybrid spindles

0,5 - 4,4 Nm

Model	Torque Range (Nm)	Speed rotation (rpm)	Drive	Starting system	Weight (Kg)	Code
HDA150A	0,5 - 1,5	500 to 1800	Hex 1/4"	Remote	0,44	6-1042224
HDA220A	0,7 - 2,2	400 to 1250	Hex 1/4"	Remote	0,44	6-1042225
HDA450A	0,98 - 4,4	300 to 600	Hex 1/4"	Remote	0,51	6-1042226

Standard packing : screwdriver, 14P-3M cable, test bits.

35 Volts hybrid screwdrivers

1,17 - 9,8 Nm

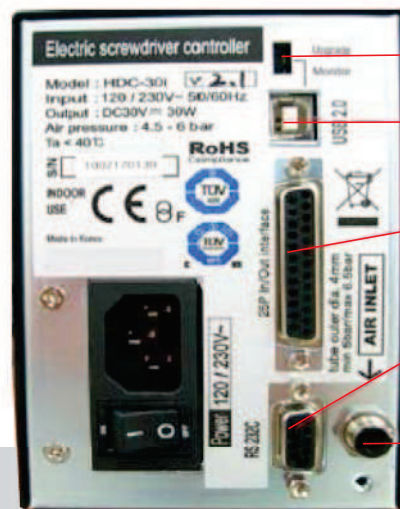
Model	Torque Range (Nm)	Speed rotation (rpm)	Drive	Starting system	Shape	Weight (Kg)	Code
HD35N-A	1,17 to 3,4	500 to 1500	Hex 1/4"	Lever	Straight	0,7	6-1077880
HD50N-A	1,47 to 4,9	300 to 1000	Hex 1/4"	Lever	Straight	0,7	6-1077881
HD100N-A	3 to 9,8	300 to 700	Hex 1/4"	Lever	Straight	0,75	6-1077882
HD35NP-A	1,17 to 3,4	500 to 1500	Hex 1/4"	Push to start	Straight	0,7	6-1070035
HD50NP-A	1,47 to 4,9	300 to 1000	Hex 1/4"	Push to start	Straight	0,7	6-1070036
PHD35N-A/U*	1,17 to 3,4	500 to 1500	Hex 1/4"	Trigger	Pistol	0,82	6-1070032
PHD50N-A/U*	1,47 to 4,9	300 to 1000	Hex 1/4"	Trigger	Pistol	0,82	6-1070033
PHD100N-A/U*	3 to 9,8	300 to 700	Hex 1/4"	Trigger	Pistol	0,86	6-1070034
PHD35N-A/D**	1,17 to 3,4	500 to 1500	Hex 1/4"	Trigger	Pistol	0,82	6-1070040
PHD50N-A/D**	1,47 to 4,9	300 to 1000	Hex 1/4"	Trigger	Pistol	0,82	6-1070041
PHD100N-A/D**	3 to 9,8	300 to 700	Hex 1/4"	Trigger	Pistol	0,86	6-1070042

Standard packing : screwdriver, 14P-3M cable, test bits.

* : Top exit cable

** : handle exit cable

Controllers



HDC-40i/HDC-35i

- Delivered with USB Com cable, air filter, air hose.

No	ITEM		SPECIFICATION	
1	Model		HDC-40i - 6-1042211 for HD40 V	HDC-35i - 6-1077883 for HD35 V
2	Input	Electric	AC120VC or AC220V, 50~60 Hz	
3		Air pressure	Min 5 bar/Max 6,5 bar	
4	Output	Electric	DC40V, 3A	DC35V, 3A
5	Fuse		AC250V, 10A	AC250V, 5A
6	Dimension/Weight		97(w) 222(d) 129(h) mm / 2,1kg	104(w) 226,4(d) 144(h)mm / 2,6 Kg
7	Job parameters		Torque, Speed, Angle, Soft start, Torque tuning in 8 preset numbers	
8	Job selection		1) Front panel button 2) 25P I/O interface 3) F1 button on the driver	
9	Torque Calibration		From - 20% to +20%	
10	Auto detection of the connected Driver		Auto detection of the offset value from the EEP-rom inside the driver	
11	Error display		Error display by code no. in system, communication & pattern error group	
12	Fastening quality control		OK/NG monitoring of screw fastening by preset pattern of angles, times	
13	Screw Counter		Save the total screw number, and monitor the number of OK fastenings.	
14	Monitoring and parameter		Monitoring and parameter settings on PC program (MS Windows base)	
15	Communication port		USB or RS232C (option)	
16	Built in counter program		8 counting programs, 20 screws per program. Auto-sequencing of fastening strategies.	

Accessories



Standard :



Driver Cable 14p 3M
Code : 6-1042205
(delivered with the tool)

USB Com Cable
Code : 6-1042213
(delivered with the controller)



Pistol Grip for HD-G 40 V
Code : 6-1042210
I/O sub-D25 male cable
Code : 4-3003000

Option :



Angle head kit for HD-G 40 V
Code : 6-1000251



DC Controlled screwdrivers

SD Series 

0,016 to 2,7 NM



- 24V Swiss DC Servo motor
- Over 5 millions cycles of life expectancy
- Torque accuracy 10 % in full scale
- Torque repeatability $\pm 3\%$
- 190 - 1000 rpm Speed control (scale : 50 rpm)
- 8 programs memory
- Real time monitoring - torque, rpm, angle
- ESD free with conductive material
- Suitable for clean room
- Real time torque and angle curve

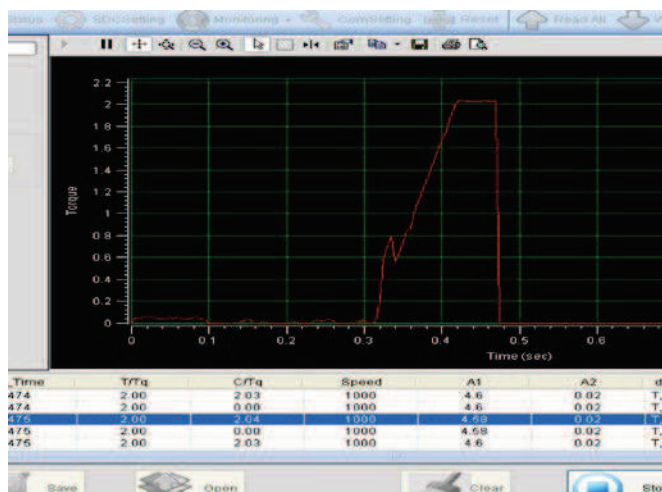
Model	Starting system	Torque Range (Nm)	Speed Rotation (rpm)	Drive	Weight (Kg)	Controller	Code
SD 120 Z	Remote	0,016 - 0,15	240 to 1000	Half-moon 4 mm	0,46	SDC-24	6-1000235
SD 200 Z	Remote	0,05 - 0,2	420 to 1000	Half-moon 4 mm	0,46	SDC-24	6-1000236
SD 300 Z	Remote	0,1 - 0,3	360 to 890	Half-moon 4 mm	0,46	SDC-24	6-1000237
SDA 120	Remote	0,016 - 0,15	240 to 1000	Half-moon 4 mm	0,46	SDC-24	6-1000238
SDA 200	Remote	0,05 - 0,2	420 to 1000	Half-moon 4 mm	0,46	SDC-24	6-1000239
SDA 300	Remote	0,1 - 0,3	360 to 890	Half-moon 4 mm	0,46	SDC-24	6-1000240
SDA 600-A	Remote	0,15 - 0,6	190 to 710	1/4" Hex	0,46	SDC-24	6-1088880
SDA1000-A	Remote	0,19 - 0,98	130 to 430	1/4" Hex	0,67	SDC-24	6-1000246
SDA 05N	Remote	0,11 - 0,48	300 to 1000	Half-moon 4 mm	0,68	SDC-40	6-1000266
SDA 09 N	Remote	0,15 - 0,87	300 to 1000	Half-moon 4 mm	0,69	SDC-40	6-1000267
SDA 18N-A	Remote	0,4 - 1,7	300 to 1000	Hex 1/4"	0,75	SDC-40	6-1041800
SDA28N-A	Remote	0,5 - 2,7	190 to 1000	Hex 1/4"	0,75	SDC-40	6-1000248
SD 120	Lever	0,03 - 0,15	240 to 1000	Half-moon 4 mm	0,26	SDC-24	6-1000241
SD 200	Lever	0,05 - 0,2	420 to 1000	Half-moon 4 mm	0,3	SDC-24	6-1000242
SD 300	Lever	0,1 - 0,3	360 to 890	Half-moon 4 mm	0,3	SDC-24	6-1000243
SD 600-A	Lever	0,15 - 0,6	190 to 710	1/4" Hex	0,33	SDC-24	6-1077801
SD1000-A	Lever	0,19 - 0,98	130 to 430	1/4" Hex	0,38	SDC-24	6-1077800
SD1500-A	Lever	0,3 - 1,47	120 to 430	1/4" Hex	0,38	SDC-24	6-1000596
SD05N	Lever	0,11 - 0,48	300 to 1000	Half-moon 4 mm	0,64	SDC-40	6-1000268
SD09N	Lever	0,15 - 0,87	300 to 1000	Half-moon 4 mm	0,65	SDC-40	6-1000269
SD18N-A	Lever	0,4 - 1,7	300 to 1000	Hex 1/4"	0,75	SDC-40	6-1000252
SD28N-A	Lever	0,5 - 2,7	190 to 1000	Hex 1/4"	0,75	SDC-40	6-1000253

Z : fixtured spindle with Offset

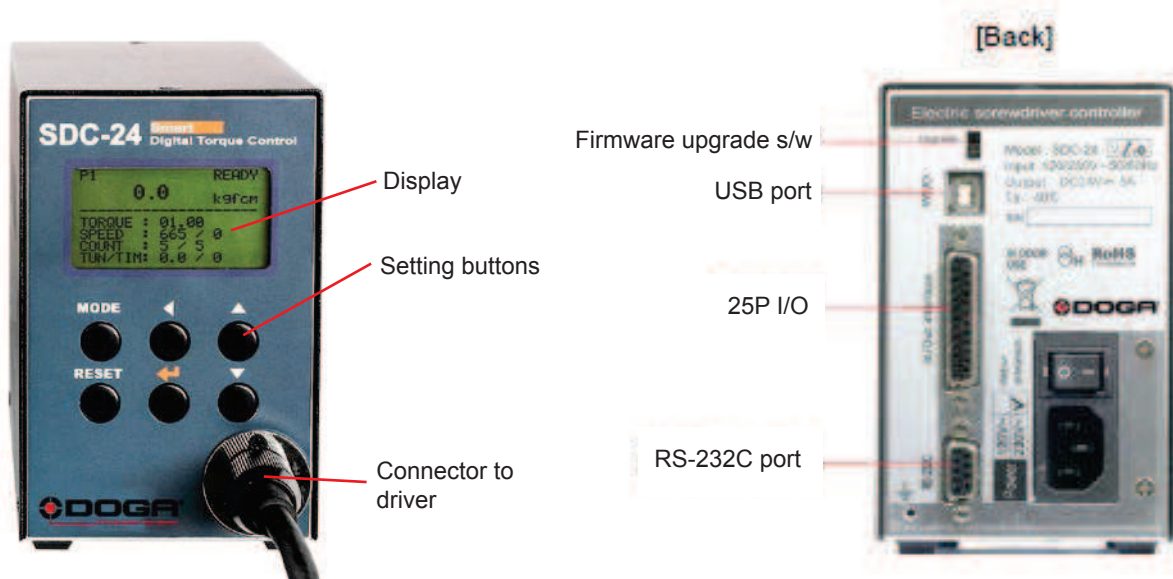
SDA : fixtured spindle

SD : hand held, lever start

Real time torque & angle curve



Controller



SDC-24 or SDC-40

No	Item		SDC-24 Code 6-1000245	SDC-40 Code 6-1041801
1	Input		AC120VC or AC220V, 50-60Hz	
2	Output		DC24V, 5A	DC40V, 3A
3	Control Range	Torque	0,1 - 1,47 Nm	0,1 - 2,7 Nm
		Speed	100 - 1,000 rpm	300 - 1000 rpm
		Angle	0,4° step	
4	Preset parameters		Torque, (Speed) & Angle	
5	Preset # selecting		1) Front panel button 2) 25P I/O interface	
6	Torque calibration		-10% - + 10%	
7	Auto recognition		Auto detection of connected driver when power ON of controller	
8	Error display		Error code display (3 groups)	
9	Fastening quality control		Fastening data verification (NG/OK) against the pre-setting pattern of angle	
10	Screw counter		Total 8 programs of tightening screw number and sequence	
11	Parameter setting and monitoring		MS Windows PC software, Smart-Manager of front panel	

ACCESSORIES : (delivered with the controller)

- Driver cable SD 10 PC, 3 M **Code : 6-1074440**
- USB com cable **Code : 6-1042213**

OPTION :

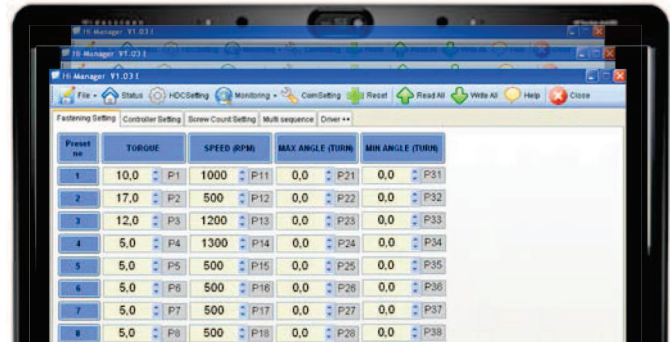
- 5 meters tool cable **Code : 6-1074420**
- I/O sub-d25 male cable **Code : 4-3003000**



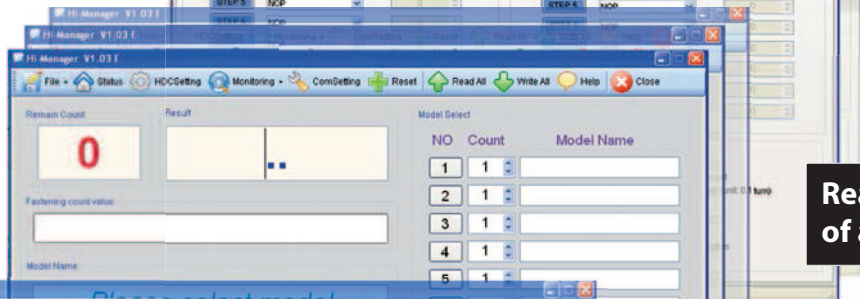
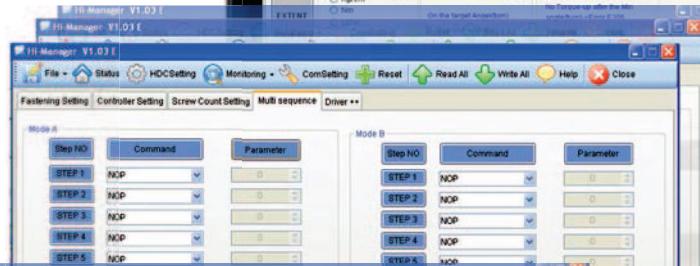
Software

Smart Manager (SD Series)/Hi-Manager (HD Series)

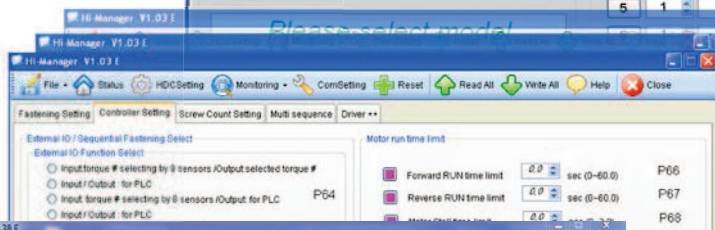
Set and monitor your tool,
your tightening environment on
free PC Software,



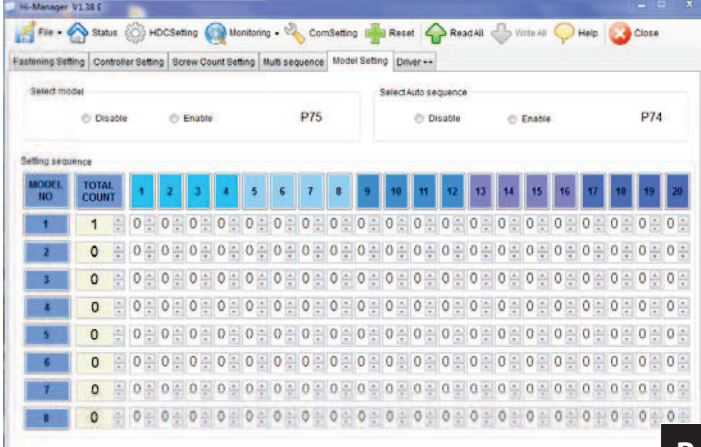
Job settings
(Torque,
Speed, Angle,
Soft start,
Torque tuning)



Real time readings
of all tightenings



Screw counter
process Monitoring



Error Monitoring

Built-in counting program
with torque sequencing