

SEHAN
ELECTOOLS

HD Electric Screwdriver

Hybrid Digital Electric Screwdriver
Hybrid with Compressed Air



Sehan guarantees that our products certainly help for enhancing assembly quality



01 HD screwdrivers are supplied in an ESD-capable housing as standard

02 Freely and easily setting is possible by software program

03 Data is manageable by internal storage and output via RS232 and USB cables

04 Programmable sequencing

05 Nm, lbf.in or kgf.cm setting

06 Up to 8 preset

07 Torque range from 3 to 100 kgf.cm and speed up to 1700 RPM from 250 RPM

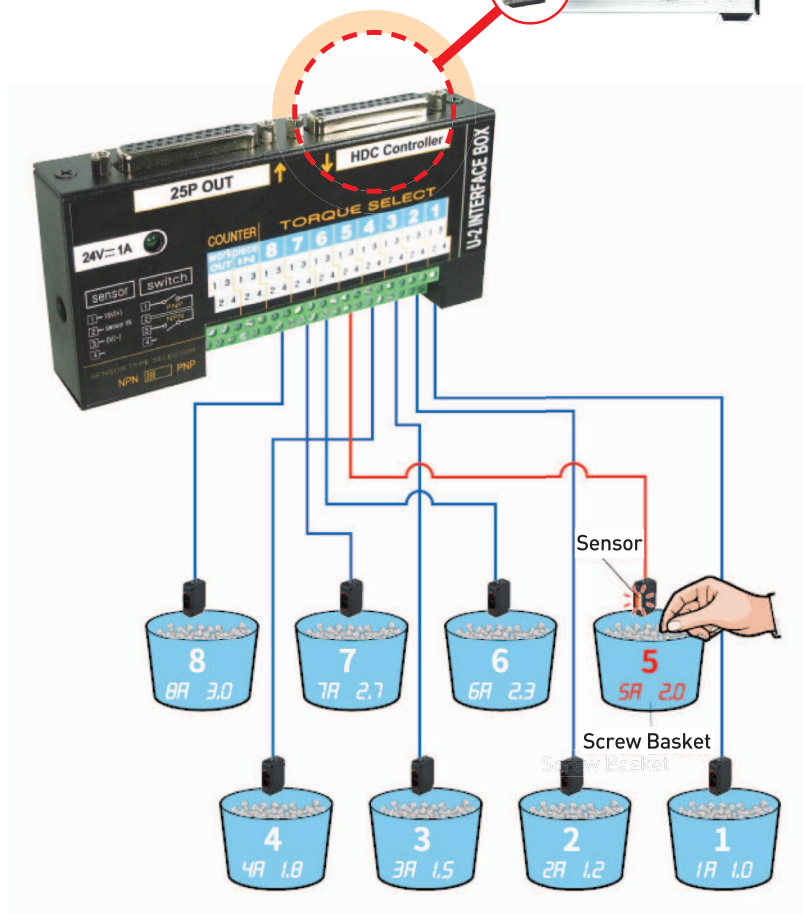
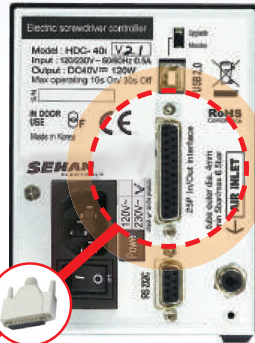
08 All Push, Lever and Automation type are available

09 Cover a wide range of torque values from low to high



Example of Shifting various Torque by sensor

- Each preset has own torque value, speed, angle setting (Up to 8 preset)
- Each preset no. is simply selected by sensor when picks up a screw



Angle Head



Data manager



Display Details



Torque : 10kgf.cm
(Default setting is torque(kgf.cm))

Work Mode

Preset no 1

LEVER Type



Model	Torque Unit		Speed		Weight kg	Bit Type	Dedicated Controller
	Kgf-cm		RPM				
	Min	Max	Min	Max			
HD081	3.0	8.0	1,000	1,700	0.44	1/4" 5mm	HDC-40i
HD150	5.5	15.5	500	1,700	0.44	1/4" 5mm	HDC-40i
HD220	7.0	22.0	400	1,250	0.44	1/4" 5mm	HDC-40i
HD350	10.0	35.0	400	740	0.51	1/4" 5mm	HDC-40i
HD450	10.0	45.0	300	600	0.51	1/4" 5mm	HDC-40i
HD35N	12	35	500	1,500	0.7	1/4" 5mm	HDC-35i
HD50N	15	50	300	1,000	0.7	1/4" 5mm	HDC-35i
HD100N	30	100	100	500	0.75	1/4"	HDC-35i

HD35N, HD50N, HD100N

HD350, HD450

HD081P



Unit : mm

PUSH Type



Model	Torque Unit		Speed		Weight kg	Bit Type	Dedicated Controller
	Kgf-cm		RPM				
	Min	Max	Min	Max			
HD35NP	12	35	500	1,500	0.7	1/4" 5mm	HDC-35i
HD50NP	15	50	300	1,050	0.7	1/4" 5mm	HDC-35i
HD081P	3.0	8.0	1,000	1,700	0.44	1/4" 5mm	HDC-40i
HD150P	5.5	15.5	500	1,700	0.44	1/4" 5mm	HDC-40i
HD220P	7.0	22.0	400	1,250	0.44	1/4" 5mm	HDC-40i
HD350P	10.0	35.0	400	800	0.51	1/4" 5mm	HDC-40i
HD450P	10.0	45.0	300	600	0.51	1/4" 5mm	HDC-40i

PISTOL Type



PHD35N	12	35	500	1,500	0.82	1/4" 5mm	HDC-35i
PHD50N	15	50	300	1,000	0.82	1/4" 5mm	HDC-35i
PHD100N	30	100	250	500	0.86	1/4"	HDC-35i

HD150P, HD220P



PHD35N, PHD50N, PHD100N/U

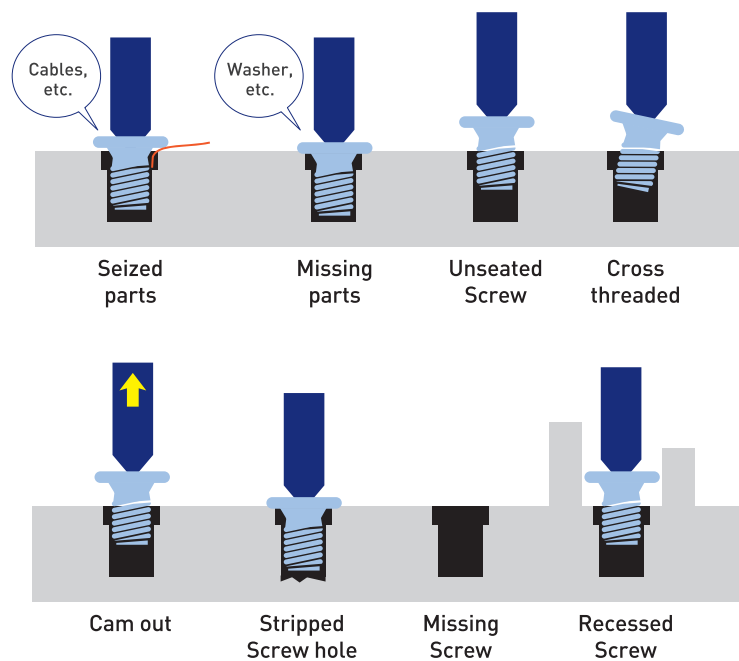


Connector options : Up/Down

Unit : mm

Detectable errors with HD

The screwdriver itself detects and notifies you of screw fastening errors.



Makes setting and programmable easily via our software, Hi-Manager

- 1 Data can be documented
- 2 Advanced fastening strategies
- 3 Real time monitoring for every single fastening
- 4 Individual settings for each preset
- 5 Graph representation of torque values
- 6 Built-in a function of screw counting

The Hi-Manager software interface includes several key components:

- Fastening Setting:** Includes options for 'Counting setting by F2', 'Disable', 'Enable (cancel last count)', 'Enable (screw feeding)', and 'Preset / Model selected by F1, F2 button'. It also features a 'Post count signal type' section with a graph showing a pulse sequence.
- Screw Count Start/Finish signal select:** Includes a diagram of a screw being fastened and options for 'Start (Continuous OK)', 'Start (pulse) + Time limit (optional)', and 'Start (pulse) + Finish (pulse)'. It also has a 'Time limit' field.
- Parameter Tables:**

TORQUE	SPEED (RPM)	MAX ANGLE (COUNT)	MIN ANGLE (DEG)
10.0	P1 800	P11 0.0	P21 0.0
8.0	P2 1000	P12 0.0	P22 0.0
15.0	P3 500	P13 0.0	P23 0.0
10.0	P4 1700	P14 0.0	P24 0.0
11.0	P5 1700	P15 0.0	P25 0.0
12.0	P6 1700	P16 0.0	P26 0.0
13.0	P7 1700	P17 0.0	P27 0.0
15.0	P8 1700	P18 0.0	P28 0.0
- Control Panel:** A circular inset shows a control panel with 'Torque # up' and '-1 count' indicators, and buttons 'F1' and 'F2'.
- Model Selection:** A circular inset shows a 'Please select model' dialog box.

Specifications / Layout

No	Item		Specification	
1	Model		HDC-40i	HDC-35i
2	Input	Electric	AC110VC or AC220V, 50~60Hz	
		Air Pressure	Min 4.5 bar / Max 6 bar	
3	Output	Electric	DC40V, 3A	DC35V, 4A
4	Fuse		AC250V, 10A	AC250V, 15A
5	Dimension		Refer the dimension above	
6	Preset Parameters		Torque, Speed and Angle are possible to control and set by 8 presets	
7	Preset control methods		Buttons on the controller 25P I/O interface 8 Sensors which have connected via I/O Ports F1 button on HD driver	
8	Error display		Errors display on the FND screen by error numbers	
9	OK/NG judgement of screwing		OK/NG judgement of screwing is possible by number of turns, torque and times	
10	Monitoring		Real time monitoring and graph monitoring are available via Hi manager (Dedicated Software)	
11	Communication Port		USB, RS232C	

HDC-40i

HDC-35i



Controller ON



Unit : mm

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