

New

**VESSEL**

Let us think.

## Electric Screwdrivers (w/Signal Output Function)

**VE-5000(P)RSOP**

**VE-6000(P)RSOP**

for A/F6.35mm bits (VESSEL A14・A16)

Signal output



● **20% faster screw tightening than standard models!!**

No-load rotation speed: 1200min<sup>-1</sup> \*Comparison with the VE-5000/6000

● Equipped with **3 output signal wires** and **1 input signal wire**, enabling to be controlled by PLC.



You can extend the warranty period from 1 year to 3 years by User Registration on the VESSEL's WEB site.

\* The 3-year warranty covers the electric screwdriver only.

**MADE IN JAPAN**

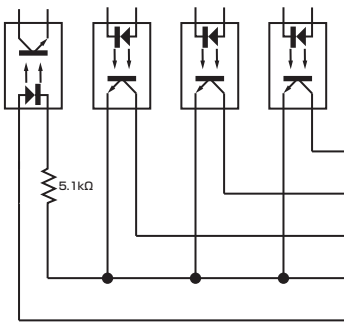
**START**

**Torque-up**

**Reverse Switch**

**STOP**

Inside Electric Screwdriver



Output signals

Color of lead wires	Function
Red	START signal output
White	Torque-up signal output
Green	Reverse switch signal output
Black	COM

Input signals

Color of lead wires	Function
Yellow	Operation stop signal input

**AC type**

**VE-5000RSOP**

Lever Type

Output Torque

Applicable Screws (Small screws)

**VE-5000PRSOP**

Push Type

**0.6~2.5 N·m M3.0~M4.0**

**VE-6000RSOP**

Lever Type

Output Torque

Applicable Screws (Small screws)

**VE-6000PRSOP**

Push Type

**1.6~4.5 N·m M4.0~M5.0**

Quality in your hand.

**ELECTRIC  
SCREW  
DRIVER**

**VE-series support**

**RoHS2**

This series comply with the revised RoHS directives (RoHS2).

This series don't contain the controlled substances\* exceeding the threshold for each. (\* conventional six substances plus newly added four phthalates.)



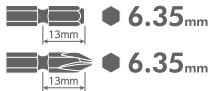
# Electric Screwdrivers (w/Signal Output Function) *New*

# VESSEL

Let us think.

## No. VE-5000RSOP

Lever Type

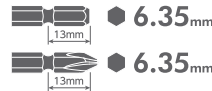


AC Type PSE 16-stepX8scales



## No. VE-5000PRSOP

Push Type

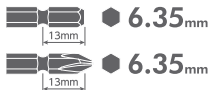


AC Type PSE 16-stepX8scales



## No. VE-6000RSOP

Lever Type

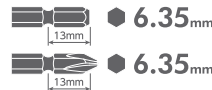


AC Type PSE 16-stepX8scales



## No. VE-6000PRSOP

Push Type



AC Type PSE 16-stepX8scales



- Slotless/Brushless motor. Improved fastening accuracy, efficiency, and maintenanceability.
- Ergonomically designed grip, with gel pad for comfortable operation. ● Tamper-proof sleeve avoids wrong torque adjustment. ● Power cord (2.5m) integrated into the body; no connector on the body.



AC type does not require a controller, and it works with the 100V AC input.

Model No.	Output torque range (N·m)	Applicable screws Small screws	Tapping (mm)	No-load rotation speed (min <sup>-1</sup> )	Rated input	Overall length (mm)	Weight (g)	Enclosed bits	EDP No.
VE-5000RSOP	0.6~2.5	M3~4	2.6~3.5	1200	AC100V 50/ 60Hz 90W	290	1200	M-A14 +2×65H...2	550032
VE-5000PRSOP									550033
VE-6000RSOP	1.6~4.5	M4~5	≤4	1200	AC100V 50/ 60Hz 120W	290	1200	M-A14 +2×65H...2	550034
VE-6000PRSOP									550035

The above weight includes the cord. ※Common accessories: Suspending ring (1pc), Tamper-proof sleeve (1pc), Set screws M3x3(2pcs), Hex wrench H1.5 (1pc), 3P2P conversion adapter (1pc), Instruction manual  
Material: PC+Elastomer

## *New* Screw Counter

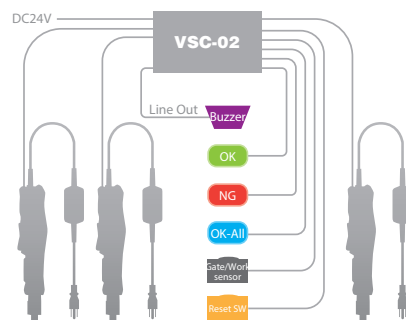
**Prevent Human Errors:** No more screws left untighten by error, inappropriate fastening...

## No. VSC-02

for AC type



- Max.16 sequences x 64 channels
- Max.32 channels registration (tightening time per screwdriver in use)
- Count function from 0 to 99 screws to be tightened.
- 24-contact terminal (VE screwdriver x 3 pcs + Power + External connection)
- 24V DC input 300mA



※To be used with the SOP screwdrivers (lever or push type)

**1 Screw Counter can control  
3 units of VE electric screwdriver.**

Model No.	VSC-02
Input	24V DC 300mA
Display	LCD 16 characters x 2 lines (5x8 dot)
Signal input/output terminal	Input 2 terminals (TLP785) Output 3 terminals (TLP627) Line output (Output impedance 1k ohm)
Connectable	3 pcs of VE series can be connected
Count method	Count-up, Count-down (can be switched)
Dimensions	64 x 122 x 37 mm (excluding protrusions)
Weight	420 g
Applicable models	VE-5000 (P) SOP, 5000(P) RSOP, 6000(P)SOP, 6000(P)RSOP
EDP No.	551003
Option	AC adapter AD24-SC2 (Input 100V-240V AC, Output 24V DC)



**Cautions**

- Read instruction manual attentively and supply power to the electric screwdriver after verifying the right connection. ● Do not connect the signal output wires to any device other than PLC (photocoupler input). ● Do not connect (+)side of the power source directly to the signal output wires. Otherwise, this may make no current-limiting resistance status and may damage the photo couplers. ● Do not start operation with a relay, motor, lamp, or else directly connected to the signal output wire. Surge voltage or alike caused by inductive load may damage the device. ● Use the signal input/output wires within 24V DC ±10%. ● Absolute maximum rated electrical voltage is 30V DC, and its current is 20mA for the signal input/output wires. ● Connect (-)side of the signal input/output wires to COM and (+)side to the input/output wire. ● If the forward/reverse switch is set to the center, the electric screwdriver remains no-operation even during the START signal is output. ● Do not change the rotation direction during operation. ● Signals are output at the time when power is supplied or when the power is cut off.

- Product specifications, dimensions, and other information are subject to change without notice.

**Distributed by**

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