To prevent screw tightening skipping! Screw counter

STC3_{Series}

The number of screws to be tightened can be set from 1 to 99, with the remaining number counted down after each screw is tightened.

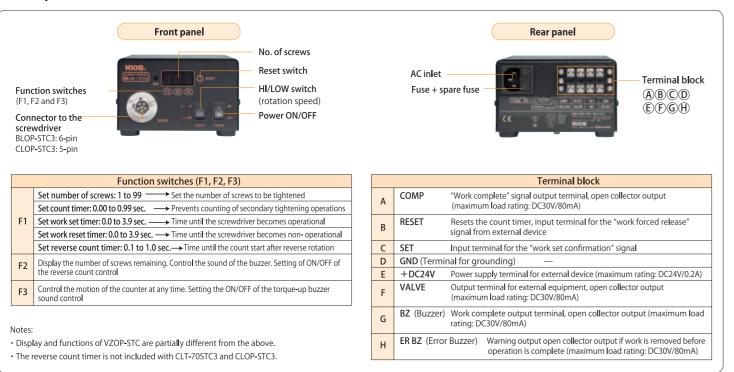
- A buzzer will sound when the final screw has been tightened to notify you of screw tightening completion.
- The countdown number is automatically reset after all screws have been tightened so that work can start on the next job immediately. The screwdriver will not be operable until the next "work set confirmation" SET signal is input (not applicable to SC3 Series).
- Prevents confirmation tightening, additional tightening and secondary tightening
- Can be used as a normal power supply by disabling the count function.

(Applicable only to BLOP-STC3 and CLT-70STC3)

						Screw counter		Separate counter (external type)		
Model			Model	STC3 S	Series	STC Series	SC1 Series		SC3 Series	
					BLOP-STC3 《power supply type》	CLT-70STC3 «power supply type»	VZOP-STC	BLOP-SC1	CLOP-SC1	Mini type BLOP-SC3
Functions & compatible screwdrivers			ole	O	0 10	G	0	O .	10000	
	Number of screws (1 to 99)			(1 to 99)	•	•	•	•	•	•
	Coui		Forward (count-down)		•	•	•	•	•	•
	dire	ection Reverse (count-up*)		e (count-up*)	•	_	•	•	_	•
Counting	Disp	isplay LED			•	•	•	•	•	•
ntin			Count timer		•	•	•	•	•	•
g	Buil	d-in	Work set timer		•	•	•	•	•	_
	time	er \	Work re	eset timer	•	•	•	•	•	•
		I	Reverse count timer		•	_	•	•	_	•
	Power su		supply for external devices ©		•	•	•	•	•	_
out			ol output(A), (F), (G)		•	•	•	•	•	-
put	Con	Control output(*), (*), (*) Control input(*), (*)			•	•	•	•	•	-
	Error output⊕				•	•	•	•	•	-
	DC ty	Brushless	OCC	BLG Series (OPC)	•	-	-	•	-	•
		Diasili	. asiness	BL Series (OPC)	•	-	-	•	_	•
Screwdrivers				CL Series	-	•	-	=	•	=
		Brushed	ed	SS Series	-	•	-	-	•	-
				α Series	=	•	-	=	•	-
	AC	Brushless	locc	VB Series (OPC)	-	=	•	-	=	-
	Cty		1622	VBH Series (OPC)	-	_	•	-	-	-
	type	Brush	ed	VZ Series (OPC)	-	_	•	_	_	_

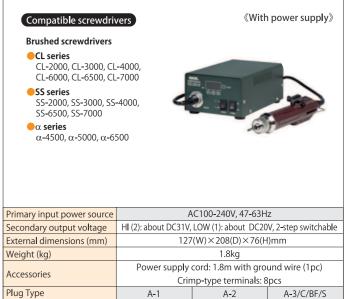
^{*} If you unscrew during operation, the count number will go back by one.

Components and Functions of Screw Counter STC3



DC Type/For BLG, BL, CL, SS, α Series





+DC24V

GND

●Red: input of +DC24V

Green: signal output of forward rotation

O White: signal output of torque-increase O Yellow: signal output of reverse rotation

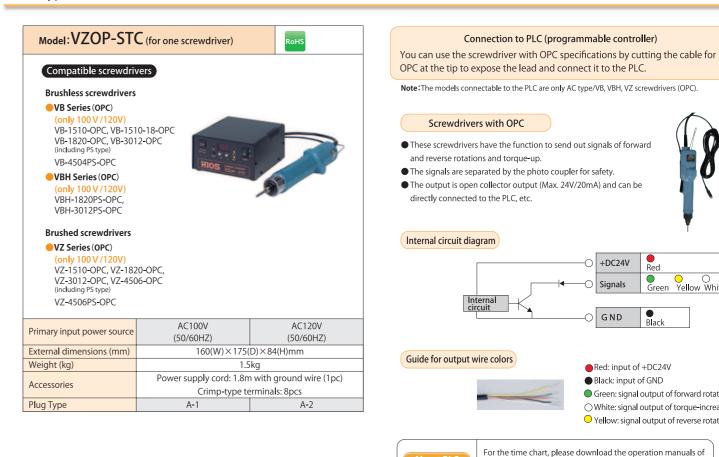
■ Black: input of GND

VB-OPC or VZ-OPC in PDF available on the HIOS website.

Model: CLT-70STC3 (for one screwdriver)

RoHS (€

AC Type/For VB, VBH, VZ Series



Voltage	100V		120V	220-240V			
	Type A	Type A-1	Type A-2	Type A-3	Type C	Type BF	Type S
Plug Type					10.00		

Plug Type

Voltage	100V		120V	220-240V			
	Type A	Type A-1	Type A-2	Type A-3	Type C	Type BF	Type S
Plug Type					19 4.8		

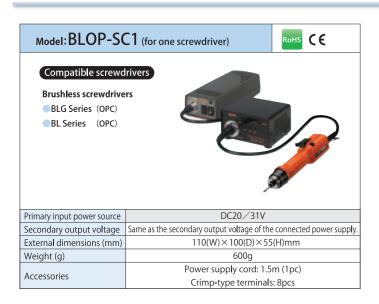
- 39 -- 40 - To prevent screw tightening skipping!
Separate screw counter

SC1 Serie

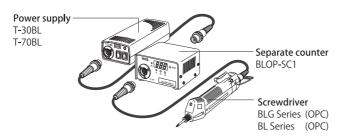
The counter function can be added easily by connecting this to the existing HIOS power supply.

DC Type/

For BLG, BL Series



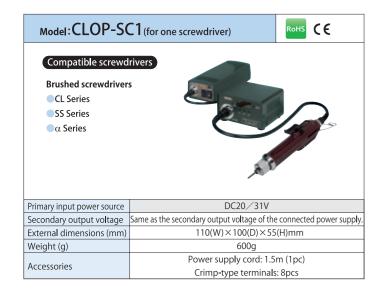
Configuration of components



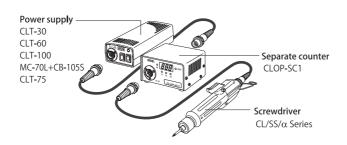
Connectable power supplies and screwdrivers

Power supplies	Connectable screwdrivers (OPC)
T-30BL (for one screwdriver)	BLG-4000-OPC, BL-2000-OPC, BL-3000-OPC
T-70BL (for one screwdriver)	BLG-4000-OPC, BLG-5000-OPC, BL-2000-OPC, BL-3000-OPC,
1-70DL (IOI ONE SCIEWANVEI)	BL-5000-OPC, BL-5020-OPC, BL-7000-OPC

For CL, SS and α Series



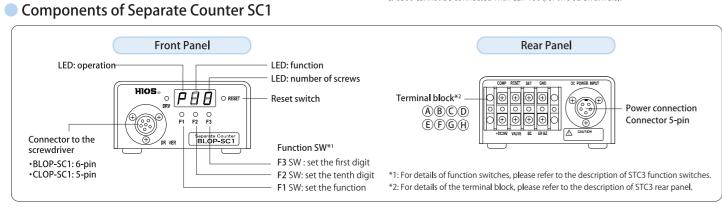
Configuration of components



Connectable power supplies and screwdrivers

Po	wer supplies	Connectable screwdrivers			
CLT-30 (for one screwdriver)	CL-2000, CL-3000, SS-2000, SS-3000			
CLT-60 (for one screwdriver)	CL-2000, CL-3000, CL-4000, CL-6000, CL-6500, CL-7000			
CLT 100	(for two screwdrivers)	SS-2000, SS-3000, SS-4000, SS-6500, SS-7000,			
CL1-100	(IOI two sciewalivers)	α-4500, α-5000, α-6500*			
MC-70L	Up to 20 screwdrivers	CL-2000, CL-3000CL-4000, SS-2000SS-3000, SS-4000			
+CB-1055	Up to 10 screwdrivers	CL-6000, CL-6500, CL-7000, SS-6500, SS-7000, α-4500, α-5000			
(multiple	Up to 5 screwdrivers	α-6500			
CLT-80 (for one screwdriver)	CL-9000			

* α -6500 cannot be connected with CLT-100 (for two screwdrivers).



To prevent screw tightening skipping!

Compact Separate screw counter

SC3

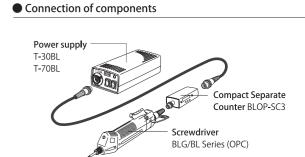
Series

Only 120g!

This palm-sized compact counter can be directly connected to a screwdriver.

DC Type/ For BLG, BL Series





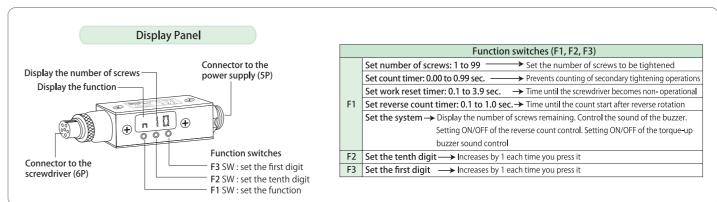
Connectable power supplies and screwdrivers

Power supplies	Screwdrivers (OPC)
T-30BL (for one screwdriver)	BLG-4000-OPC, BL-2000-OPC, BL-3000-OPC
	BLG-4000-OPC, BLG-5000-OPC, BL-2000-OPC,
T-70BL (for one screwdriver)	BL-3000-OPC, BL-5000-OPC, BL-5020-OPC,
	BL-7000-OPC

Notes:

- ·Always use BLOP-SC3 by hanging it from the balancer.
- $\, { \cdot } \text{Do}$ not use this device for horizontal screw tightening.

Components and Functions of Compact Separate Counter SC3



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