

**S**anyo machine works  
**H**andheld  
wireless **B**attery  
**N**utrunner system



**High quality, low reaction  
wireless nutrunner  
With ergonomic "Impact mode".**



# Newly ultra-compact and high-performance controller created with Sanyo's advanced fastening technology. Abundant communication and data collection functions support your production perfectly!

Host Data Acquisition Server



**Tool features high speed and high accuracy together with low weight, and low reaction**

**Operate from the multi-function touch panel of the Station Controller**

SHDN Nutrunner System



The tool can store **maximum 16 times fastening data and torque curve data**. Fastening data can be sent to the station controller even when fastening continuously.

It is possible to fasten about **2,000 times per charge**. (SHB-TA1-016P) (Maximum tightening torque at hard joint)

Battery Charger



If you remove the battery from the tool and install it **within one minute, the tool can fasten immediately**. (No waiting for communication connection)



Front LED

LED Status Indicator

Flexible programming allows for double tightening and other complex fastening operations.

**Wireless LAN Connection**



One station controller can control 4 tools.

Ethernet Connection



LAN connector comes standard. Corresponds to 10/100/1000Mbps.

RS232C Connection

RS232C Connection

I/O Connection  
Field Network Connection

Supports popular fieldbus devices (DeviceNet, CC-Link, Ethernet / IP, and etc.) with options.

USB Memory



Fastening settings, fastening data, and etc. can be backed up.

LAN Connection (Wired / Wireless)



4 million fastening data cycles including torque curves can be stored.

Optional Station Controller Terminal for windows software can be operated from a remote location by wireless LAN connection such as tablet. Compatible with touch panels.

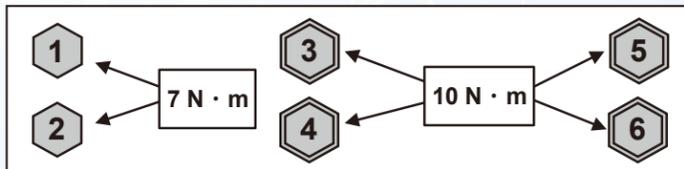
## Auto Adjusted Impact Mode Fastening

The SHBN tools offers an Impact mode setting that **automatically adjusts pulse speed and frequency to create repeatable torque accuracy with minimum reaction**. This Auto impact mode is perfect for changing joint conditions on the same work piece (ex.soft joint / hard joint).



## Batch Count Function

Batch count is the function that once the set number of cycles in the batch are completed **satisfactorily an OK signal is sent**. Each cycle in the batch can run unique programs and parameters.



Target torque is changeable according to the fastening sequence.

## Station Controller Screen

Fastening Setting Screen      Fastening Data Screen

Maintenance Screen      Storage Fastening Data Screen

There are two types of tool count, total count and resettable section count.

## Station Controller Terminal (Software for Windows) Screen

Main Menu Screen      Fastening Data Screen

Fastening Setting Screen      Storage Fastening Data Screen

# Communication Specifications of Station Controller

Choose with wireless LAN or without wireless LAN to connect to the external access point. Reduce the risk of radio wave interference by connecting multiple station controllers to the access point.

### With wireless LAN

Ex. In the case 3 controllers, 3ch used.



### Without wireless LAN

Ex. In the case 3 controllers, only 1ch used.



## Specifications

### Tool specification

Item	Specification	
Model	SHB-TA1-016P	SHB-TA1-032P
Maximum Torque	16N · m (Impact Mode)	32N · m (Impact Mode)
Free Speed	2000rpm	1760rpm
Wireless Communication	Wireless LAN 2.4GHz / 5GHz	
Weight	1.2kg (without battery)	1.4kg (without battery)

### Battery specification

Item	Specification
Model	SHB-BT-25
Type	Lithium Ion
Voltage	25.2V
Capacity	2.0Ah
Weight	540g

### Station Controller Specification

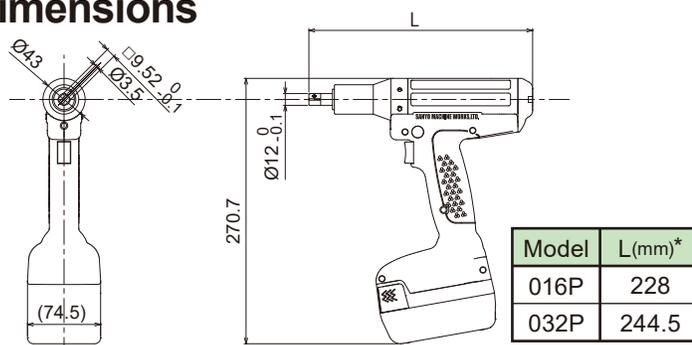
Item	Specification
Model	SHB-SC
Interface	I/O (8 points each input/output) ×2 ports (Maximum 4 ports by option) RS232C×2 ports (Maximum 4 ports by option) USB×2 ports Ethernet×1 port Field network (Option)
Input Power	AC100~240V 50/60Hz (AC Adapter)
Maximum Power Consumption	360W
Weight	1.3kg

### Battery Charger Specification

Item	Specification
Model	SHB-BCA
Charge Time	Over 80% in about 60 minutes
Protection Function	Protection over charging
Display Function	LED display (3 colors / 6 level)
Input Power	AC100~240V 50/60Hz
Weight	580g

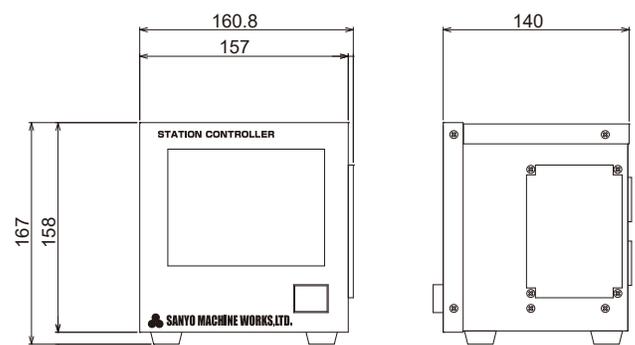
\* Please contact us for details of product models.

## Dimensions



**Pistol Tool (SHB-TA1-\*\*\*P)**

\* The length depends on output axis.  
(The upper table shows the size of the square type.)



**Station Controller (SHB-SC)**

\* The above-mentioned specification may be changed without prior notice.

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