



Battery System Wrench

YS-e600/e800/e900

Battery system wrench



YOKOTA INDUSTRIAL CO.,LTD
www.yokota-kogyo.co.jp
MADE IN JAPAN





Further advanced system
Lighter, quieter and smarter



Working efficiency improvement by wireless technology

Simplification of installation and relocation

Clean & silent

Low vibration and low noise

wrench series.

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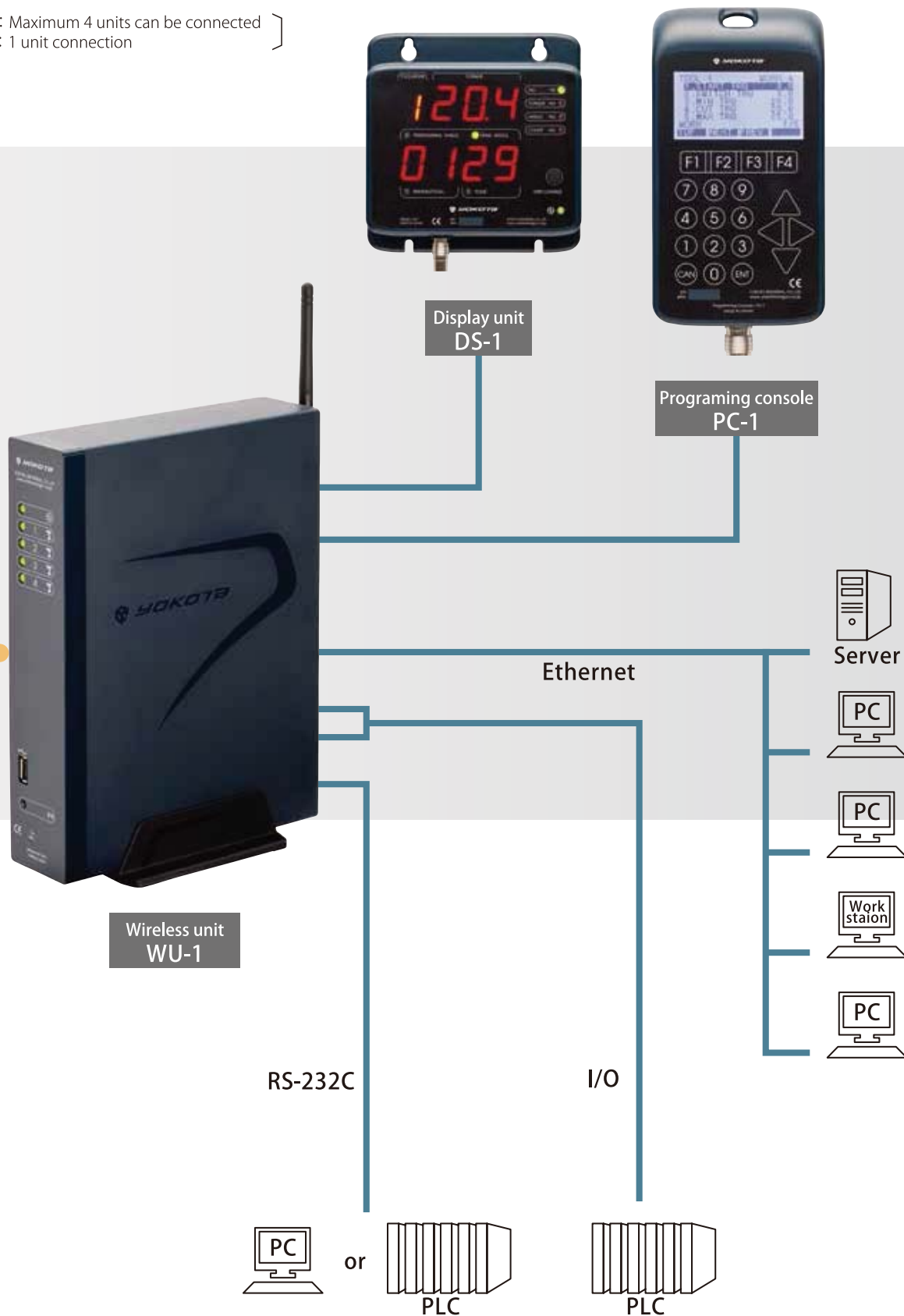
Feature • YS-e

- Strain gauge and direct current detection system make the tool compact and weight saving
- Abnormal tightening detection by torque control and angle monitoring
- Low vibration, low noise and low reaction force due to the direct drive
- Newly developed outer rotor type motor adopted
- Built-in controller function makes torque judgment possible in the tool.
- Built-in driver function
- Non-contact type trigger and reverse lever
- Built-in buzzer/LED inform an operator of tightening result and abnormal tightening
- Battery with remaining capacity display adopted.

Feature • Wireless unit WU-1

- Possible to connect 4 tools with 1 wireless unit.
- Setting value can be input from PC-1 or PC
- Saving/writing of setting value, retrieval of tightening result are possible by a USB drive.
- 10,000 tightening data accumulation
- Tightening result is displayed either in DS-1 or PC-1.
- Optional setting for DS-1 or PS-1

DS-1 : Maximum 4 units can be connected
PC-1 : 1 unit connection



Display unit

DS-1

Easy-to-read seven segment display & LED adopted.

Tightening result (torque value, angle value, bolt quantity, pulse number and judgment result) is displayed.



DISP,CHANGE



DISP,CHANGE



Display Upper row: Tool, work / Torque
Lower row: Free running angle

Lower row: Tightening angle

Lower row: Tightening number, number of pulse

Item	Specification
Push-button for display switch	The display of angle/bolt quantity, number of pulse is switched.
DIP-SW	Display tool selection SW6bit addressing SW (rotary) 4bit
External dimensions	163mm(W) x 130mm(H) x 35mm(D) Projection not included.
Cabling distance	Less than 10m
Weight	360g

Standard accessories: 1 cable assy (for DS-1)

Programming console

PC-1

Programming console specially designed in pursuit of ease of use

Reading and writing of the setting value as well as tightening result (Torque value, angle value, tightening quantity, number of pulse, judgment result.) are displayed.



Display (At setting)



Display (At tightening OK)



Display (At tightening NG)

Item	Specification
External dimensions	100mm(W) × 185mm(H) × 24mm(D) projection not included
Cabling distance	Less than 10m
Weight	300g

Standard accessories: 1 cable assy (for PC-1)

Battery

BPL-1820



Item	Specification
Nominal voltage/rated capacity	18V/2.0Ah
Size	Width76mm X Length119mm X Height 45mm
Weight	0.41kg
Residual capacity indicator lamp	The LED lights when the PUSH button is pushed, and the battery remaining capacity is displayed. 《standard of remaining capacity》 LED 3 pieces lighting: 75% or more, LED 2 pieces lighting: 30 ~ 75%, LED1 piece lighting: 5 ~ 30%. (Please charge the battery pack ahead of time.)

Option: Protector for battery

Charger

BC0075G



Item	Specification
Rating input voltage	AC100 ~ 240V ± 10% 50/60Hz
Size	Width200mm X Length130mm X Height84mm
Weight	0.84kg
Charging time	Up to 80% in the battery capacity : 60 minutes full charge: 70 minutes ※Quick charge mode automatically up to 80% in the battery capacity.

オプション：電源コード ※別売りになります

Tool

YS-e600

YS-e800

YS-e900



Protector for tool



YS-e600



YS-e800



YS-e900

Protector for battery

※Option



Model	Bolt capacity	Torque range※1 (N・m)	Weight (kg) () without battery	Tightening number/ min. (bolt)	Tightening number/ charge (bolt)	Vibration (m/s ²)	Noise (dB)	Overall length (mm)	Overall height (mm)	Spindle offset (mm)	Sq. drive / bit size (mm)	RPM at no load (rpm)
YS-e600	M6	7~20	1.75 (1.34)	10	1300	<2.5	72	214	244	32.5	■9.5	4,800
YS-e600A	M6	5~18	1.75 (1.34)	10	1300	<2.5	72	214	244	32.5	●6.35	4,800
YS-e800	M6~M8	15~35	1.80 (1.39)	8	800	<2.5	76	219	244	32.5	■9.5	4,800
YS-e800A	M6~M8	10~30	1.80 (1.39)	8	800	<2.5	76	219	244	32.5	●6.35	4,800
YS-e900	M8~M10	30~50	1.90 (1.49)	6	700	<2.5	78	226	244	32.5	■9.5	4,800

Standard accessories: 1 protector (for tool), 1 TF pin (2×90)
Option: BPL-1820 (battery), BC0075G (charger), and Power cord (for charger).

*1; The upper limit value measured on hard joint

Wireless unit

WU-1

Multifunctional special unit

Multifunctional wireless unit that can support YS-e, DS-1 and PC-1. Also, connected with external devices, it can support tightening, pokayoke and traceability in total.



RS-232C

Ethernet

DS-1

PC-1

I/O

Item	Specification
Input power source	The AC adapter: AC100-240V±10% 50/60Hz Main body: 24V DC 1.2A.
Weight	1kg
Size	Width 54mm X Height 249mm X Depth 188mm
Communication method with tool	2.4 GHz WLAN (Channel 1 - 11 selectable type)(selected from PC-1)
I/F	I/O (input/output eight points for each), USB, RS232C, and LAN
The number of connected tool	4
Stored data	Tightening result 10000 data (Each tool), Wave form data 10 data, Dynamic torque data 10 data
Pairing time	About 30 seconds (※)

Standard accessories: 1 Stand, 1 AC adapter (2m), 1 power cord (1.5m)・1 Sleeve ferrite clamp GRFC-6
Option: Rubber foot and screw for rubber foot fixation

※There is a variation depending on the pairing environment.