



Product features 1.  
Simplification of installation  
and relocation

Product features 3.  
Low vibration and low noise

**YZ-NP Series**  
Tighten lighter, quieter and smarter  
Ultimate tightening feeling  
Tighten smoothly, respectfully and gently

**YZ-T Series  
YZ-TH Series**  
Yokota Future Generation Type,  
Hyper-Sophisticated  
Battery Shut-off Series

Common to all series Battery • Charger  
**YS-e600~950/YZ-T600~950/YZ-NP600~950**

<b>Battery</b> (with remaining capacity display) <b>BPL-1820</b>  Model : BPL-1820 Nominal voltage : 18V Rated capacity : 2.0Ah Weight : 410g Size(Width x Length x Height) : 76mm x 119mm x 45mm		<b>Charger</b> <b>BC2075MX</b> ※Optional Accessory  Model : BC2075MX Rated input voltage : AC100 ~ 240V ±10% 50/60Hz Weight : 840g Size(Width x Length x Height) : 200mm x 130mm x 84mm	
<b>Tool Protector</b>  YS-e600  YS-e800   YS-e900  YS-e950 	<b>Battery Protector</b> ※Optional Accessory 		

MEMO

Battery System Tools YS-e Series YZ-T Series YZ-TH Series YZ-NP Series



**YS-e600/e800/e900/e950**  
Further advanced system wrench series.  
Lighter, quieter and smarter

Product features 2.  
Working efficiency improvement  
by wireless technology

**Battery**

Product features 4.  
Clean & silent

**Battery  
Tools**

**YS-e Series  
YZ-T Series  
YZ-NP Series**

**YZ-TH Series**





# Battery System Wrenches

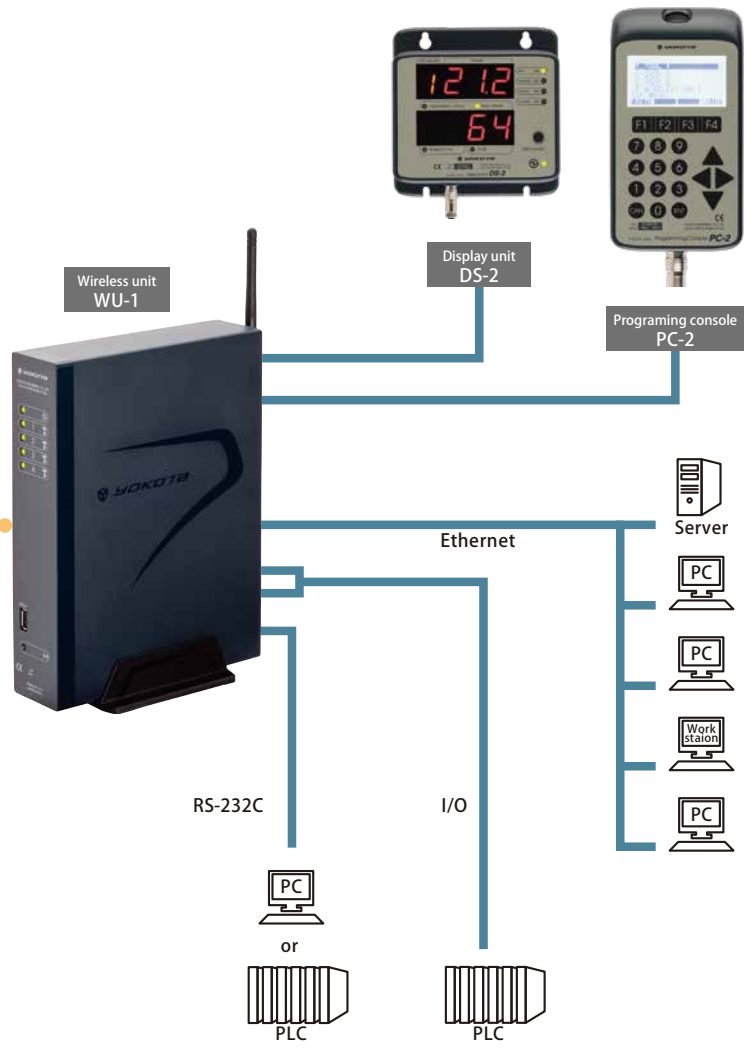
## YS-e Series



Tool → wireless unit  
Tightening result is transmitted

Communication by wireless LAN (IEEE802.11.n)

Tool ← wireless unit  
Set up information is transmitted



### Features · 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.

### Features · Wireless unit WU-1

- Possible to connect 4 tools with 1 wireless unit.
- Setting value can be input from PC-2 or PC.
- Saving/writing of setting value, and retrieval of tightening result are possible by a USB drive.
- 10,000 tightening data accumulation.
- Tightening result is displayed either in DS-2 or PC-2.
- Optional setting for DS-2 or PC-2.
- DS-2 : Maximum 4 units can be connected
- PC-2 : 1 unit connection

Tool Spec												
Model	Bolt capacity	Torque range <sup>*1</sup> (N・m)	Weight (kg) ( ) Excluding battery	Tightening number/min (Bolt)	Tightening number/charge (Bolt)	Vibration (m/s <sup>2</sup> )	Noise (dB)	Overall length (mm)	Overall height (mm)	Spindleoffset (mm)	Sq. drive/bit size (mm)	Free speed (rpm)
YS-e600	M6	7~20	1.75 (1.34)	10	1300	<2.5	72	214	244	32.5	■9.5	High 1500~4800
YS-e600A	M6	5~18	1.75 (1.34)	10	1300	<2.5	72	214	244	32.5	●6.35	
YS-e800	M6~M8	15~35	1.80 (1.39)	8	800	<2.5	76	219	244	32.5	■9.5	
YS-e800A	M6~M8	10~30	1.80 (1.39)	8	800	<2.5	76	219	244	32.5	●6.35	Middle 1500~3000
YS-e900	M8~M10	30~50	1.90 (1.49)	6	700	<2.5	78	226	244	32.5	■9.5	
YS-e950	M10	40~60	1.94 (1.53)	5	650	<2.5	79	226	244	32.5	■9.5	

Standard accessories: 1 protector (for tool), 1 TF pin (2×90)  
Option: BPL-1820 (battery), BC2075MX (charger), Power cord (for charger), and Protector for battery

\*1: The upper limit value measured on hard joint

### Display unit

#### DS-2 ※Optional Accessory



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) × 130mm(H) × 35mm(D) Projection not included.
Cabling distance	Less than 10m
Weight	360g

Standard accessories: 1 cable assy (for DS-2)

### Programing console

#### PC-2 ※Optional Accessory



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-2)

### Wireless unit

#### WU-1



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)  
Option: Rubber foot and screw for rubber foot fixation

※There is a variation depending on the pairing environment.

# Battery Shut-off Wrenches

## YZ-T Series YZ-TH Series (w/wireless module from Herutu Electronics Corporation)



Programing console

PC-2 ※Optional Accessory  
Model : PC-2 Weight : 300g/1.8lb  
Size(Width x Length x Height)  
: 100mm x 185mm x 24mm  
(Projection not included)



Connection Cable

CC-1 ※Optional Accessory

### [ YZ-TH series ]

Wireless transmission of tightening result (OK signal only) can be possible to TW-800R series Pokayoke receiver from Herutu Electronics Corporation.

### Parameter Setting

Input the setting value by PC-2 (programming console) and CC-1 (special connecting cable)

Tool Spec		Battery ・ BPL-1820 18V-2A 0.41Kg										
Model	Bolt capacity	Torque range (N・m) ※1	Weight (kg) ※2	Tightening number/min (Bolt) ※3	Tightening number/charge (Bolt) ※3	Vibration (m/s <sup>2</sup> ) ※4	Noise Sound Pressure Level Lpa (dB)	Noise Uncertainty Kpa (dB)	Overall length (mm)	Overall height (mm)	Sq. drive/bit size (mm)	Free speed (rpm)
YZ-T600A (TH600A)	M6	7~18	1.00	10	1,300	<2.5	67	3	161	248	●6.35	High ※ 5 2000~4800
YZ-T600 (TH600)	M6	7~20	1.00	10	1,300	<2.5	67	3	161	248	■9.5	
YZ-T800A (TH800A)	M6~M8	10~30	1.10	8	800	<2.5	68	3	166	248	●6.35	
YZ-T800 (TH800)	M6~M8	15~35	1.10	8	800	<2.5	68	3	166	248	■9.5	Middle 1500~3000
YZ-T900 (TH-900)	M8~M10	30~50	1.20	6	700	<2.5	69	3	173	248	■9.5	
YZ-T950 (TH-950)	M10	40~60	1.25	5	650	<2.5	70	3	173	248	■9.5	Low 1200~1500

### Improvement of operability and workability

#### Shut-off Mechanism

★New Feature★ Automatic shut-off electrically by detecting the amplitude of tightening force from motor loaded condition. Prevention of under/over tightening.

#### Quality Level Up

High precision tightening is possible by the target value, pulse management, motor speed and oil pulse unit adjustment.

#### Confirmation Function of Tightening Result

Simple Setting Function. The confirmation of the latest 5 tightening rundowns can be possible by connecting PC-2. Easy to confirm the past tightening condition and input the parameter setting value.

#### Light Weight & Compact

Easy to operate even in the confined space since the overall length of the tool is short. Reduction of the operator's burden to hold the tool, owing to the light weight. Flexibility of design structure & improvement of workability, owing to the compact design.

# Battery Impulse Wrenches

## YZ-NP Series



※Output adjustment dial

### Improvement of operability and workability

#### Pulse Check Function

Monitor the deterioration of the pulse unit, by learning the impulse cycle as a reference point.

#### LED Lamp

Display the speed setting and alarm/error contents. Also display each kind of condition at setting of pulse check function and operation.

#### Output adjustment

※ Output adjustment dial

4 settings of motor output by the switch (2000,3000,4000,4800)  
Optimum adjustment possible, for every work characteristic, in combination with pulse adjustment function.

#### Direct engagement

Gearless direct connection with motor and liner parts  
Compactness, light-weight, low vibration, low noise, low reaction owing to the direct engagement.

#### Special electric motor

To support the direct engagement, the brushless motor adopted with full torque and high durability.

#### 2 step throttle

The operational improvement for pre-tightening, by low speed rotational zone at 1st step throttle.

#### Design

Ergonomics design adopted in consideration of compactness, light-weight, ease of holding & handling.

Tool Spec		Battery ・ BPL-1820 18V-2A 0.41Kg											
<div>※1 Reference value ※2 Max. value of each adjustment range is at hard joint. ※3 The value is the one when our work is tightened at lightning time of 0.5s and ambient temperature of 30 °C. It varies with the condition of the work or operating environment and should be used as guide. Standard accessories: Pin 2x90, Tool Protector, Battery Pack (BPL-1820)</div>													
Model	Bolt capacity	Torque range (N・m) ※1	Weight		Tightening number/min (Bolt)※2	Tightening number/charge (Bolt)※2	Vibration (m/s²)	Noise Sound Pressure Level Lpa (dB)	Noise Uncertainty Kpa (dB)	Overall length (mm)	Overall height Including battery (mm)	Sq. drive/bit size (mm)	Free speed (rpm)
			Excluding battery (kg)	Including battery (kg)									
YZ-NP600A	M6	7~18	1.00	1.40	10	1300	<2.5	67	3	157	242	●6.35	2000~4,800
YZ-NP600	M6	9~20	1.00	1.40	10	1300	<2.5	67	3	157	242	■9.5	
YZ-NP800A	M6~M8	15~30	1.05	1.45	8	800	<2.5	68	3	162	242	●6.35	
YZ-NP800	M6~M8	18~35	1.05	1.45	8	800	<2.5	68	3	162	242	■9.5	
YZ-NP900	M8~M10	34~50	1.20	1.60	6	700	<2.5	70	3	169	242	■9.5	
YZ-NP950	M10	45~60	1.25	1.65	5	650	<2.5	70	3	169	242	■9.5	

※1 Reference value Max. value of each adjustment range is at hard joint. ※2 The value is the one when our work is tightened at tightening time of 0.5s and ambient temperature of 30 °C. It varies with the condition of the work or operating environment and should be used as guide. Standard accessories: Pin 2x90, Tool Protector, Battery Pack (BPL-1820)