

WLAN Battery Impulse Tool with electronic shut-off – YS-e series



Colour of rubber protective cap depending on model



In Yokota's EC battery-powered impulse wrench YS-e, a **torque** transducer and a rotation **angle** encoder are integrated directly on the main shaft. This type of tool is the perfect solution for bolt connections that need to be precisely checked, controlled and documented, and where control cables and air hoses would interfere.

The YS-e wrenches communicate wirelessly with the WU-1 control unit, which can be paired with up to four YS-e impulse tools used in parallel. The tightening data can be stored via the RJ45 Ethernet port using TCP/IP communication.

The separate DS-2 display shows the tightening result (torque value) with the no-load angle of rotation, the tightening angle after pressing the push button, the number of remaining tightening operations and the number of pulses. The result evaluation is visualised in colour (IO=green, NIO=red). Connection to the WU-1 control unit via 5-metre cable.

The YS-e impulse wrench, which can be operated with one hand, is also equipped with a diode light that makes it easier to find the bolt or nut. Its powerful 18 volt 2 Ah lithium-ion battery with

capacity indicator is inserted horizontally and secured by a robust clip lock. The YS-e also has a battery capacity level monitor, which ensures process safety.

The use of **reaction torque-free** impulse wrenches in the assembly line reduces the risk of RSI. As a result, musculoskeletal complaints decrease and operator acceptance increases.

Options, Accs & Spares

- Battery BPL-1820 (18V Li-Ion 2 Ah)
- Charger BC2075MX
- Wireless controller WU-1 for up to 4 tools
- Programming console PC-2 incl. cable 5 m
- Display DS-2 incl. cable 5 m
- Verlängerungskabel 5 m
- Rubber protection cover (pistol)
- Rubber protector (battery)

- ▶ Measuring head with strain gauge: Torque-controlled, angle of rotation monitored.
- ▶ 100% control with regard to incorrect tightening.
- ▶ High tightening speed, very low settling symptoms.
- ▶ Mobile and flexible due to battery operation and radio transmission.
- ▶ WLAN communication (IEEE802.11n).
- ▶ Acoustic and visual signal about tightening status.
- ▶ 1-hand operation and non-kick-back.
- ▶ Brushless DC motor, adjustable rotation speed.



YS-e series

Type	Model		Item No.	Bolt Capacity Ø	Free Speed min ⁻¹	Torque Range N-m	Length A mm	Spindle Offset mm	Weight kg	Vibration m/s ²	Noise Level dB(A)	
	SqD	Hex										
Pistol	-	1/4	YS-e600A	430101	M6	1 200 - 4 800	5 - 18	214	32.5	1.75	<2.5	72
	-	1/4	YS-e800A	430103	M6-M8	1 200 - 4 800	10 - 30	219	32.5	1.80	<2.5	76
	3/8	-	YS-e600	430100	M6	1 200 - 4 800	7 - 20	214	32.5	1.75	<2.5	72
	3/8	-	YS-e800	430102	M8	1 200 - 4 800	15 - 35	219	32.5	1.80	<2.5	76
	3/8	-	YS-e900	430104	M8-M10	1 200 - 4 800	30 - 50	226	32.5	1.90	<2.5	78
	3/8	-	YS-e950	430105	M10	1 200 - 4 800	40 - 60	226	32.5	1.94	<2.5	78

Note: For impulse wrenches we strongly recommend our extensive range of **Sleeve Drive** power sockets (p. 38 ff).



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Wireless Controller WU-1

- ▶ Up to 4 tools can be paired
- ▶ Parameter input with programming console PC-2 or computer/laptop
- ▶ USB: read/save programme
- ▶ Memory for 10,000 cycles per wrench
- ▶ Tightening results on DS-2 and/or PC-2
- ▶ 4 display connectors
- ▶ 2 interfaces: Ethernet, RS232
- ▶ I/O terminal for input/output signals (e.g. PLC)



Display DS-2

- ▶ shows:
 - Tool,
 - Programme,
 - Torque,
 - Status OK / NG,
 - Rotation angle,
 - Number of pulses,
 - Number of bolted joints.



*Oben: Schrauber/Programm/
Drehmoment
Unten: Verschr. Drehwinkel*

Unten: Leerlauf Drehwinkel

Unten: Anzahl Impulse

Programming console PC-2

- ▶ Programming parameters
- ▶ View bolting results
- ▶ Display OK / NG



Further information available 24 / 7 on our website.