









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



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-lon 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**

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Туре			Model	Item No.	Bolt Capacity	Free Speed	Torque Range	Length A	Spindle Offset	Weight	Vibra- tion	Noise Level	
		SqD	Hex			Ø	min <sup>-1</sup>	N∙m	mm	mm	kg	m/s²	dB(A)
		_	1/4	YS-e 600 A	430101	M6	1 200 - 4 800	5 - 18	214	32.5	1.75	< 2.5	72
		-	1/4	YS-e 800 A	430103	M6-M8	1 200 - 4 800	10 - 30	219	32.5	1.80	< 2.5	76
	Pistol	3/8	-	YS-e 600	430100	M6	1 200 - 4 800	7 - 20	214	32.5	1.75	< 2.5	72
	Pis	3/8	-	YS-e 800	430102	M8	1 200 - 4 800	15 - 35	219	32.5	1.80	< 2.5	76
		3/8	_	YS-e 900	430104	M8-M10	1 200 - 4 800	30 - 50	226	32.5	1.90	< 2.5	78
		3/8	_	YS-e 950	430105	M10	1200 - 4800	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**

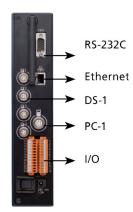
- ► shows:
  - Tool,
  - Programme,
  - Torque,
  - Status OK / NG,
  - Rotation angle,
  - Number of pulses,
  - Number of bolted joints.

### **Programming console PC-2**

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













Unten: Leerlauf Drehwinkel



Unten: Anzahl Impulse









