

SUPER "INTELEC" SYSTEM BATTERY OIL-PULSE TOOLS

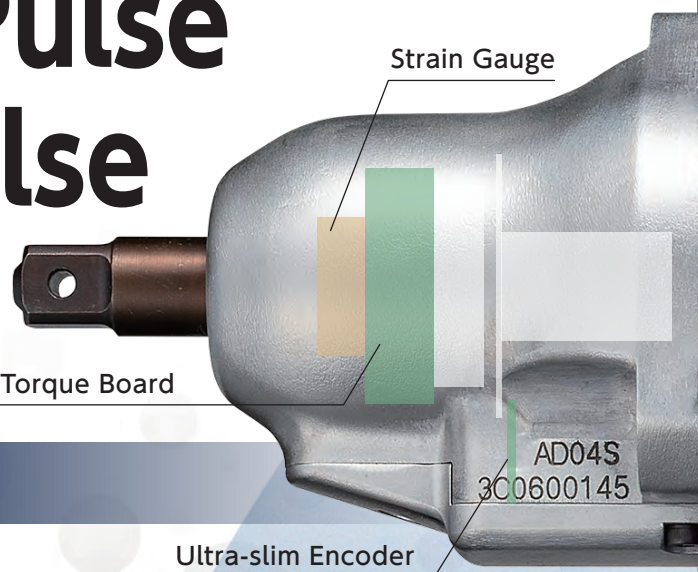
# PHOENIX

UBX-AF SERIES TOOLS & UCC-100Z



 **URYU SEISAKU, LTD.**  
Osaka, Japan

# PHOENIX Pulse Battery Oil-Pulse Tools



## UBX-AF series

- **PHOENIX** Pulse Unit (PAT.)  
More powerful & improved durability
- Newly developed Auto-Relief (PAT.) achieves highly accurate fastening
- "Zoomed Step Fastening" function is added for more accurate fastening in combination with UCC-100Z  
Fastening accuracy is increased twice

Newly-developed compact torque & angle sensor



UBX-AF500Z

UBX-AF600Z

UBX-AF700Z

UBX-AF900Z

### Specifications

Model	Nominal Bolt Size		Torque		Weight				Battery	Free speed	Length		SQ. size		Number of fastening per minute <sup>*1</sup>	Fastener quantity per full charge
	mm	in	N·m	ft-lbs	with battery		w/o battery				mm	in	mm	in		
UBX-AF500Z	M6-M8	1/4-5/16	5-20	3.7-14.8	1.82	4.01	1.52	3.35	10.8 2.0Ah	3,600	219	8 5/8	9.5Sq.	3/8Sq.	11	440
UBX-AF600Z	M8-M10	5/16-3/8	15-40	11.1-29.6	1.87	4.12	1.52	3.35	14.4 2.0Ah	4,800	219	8 5/8	9.5Sq.	3/8Sq.	10	320
UBX-AF700Z	M8-M12	5/16-1/2	25-60	18.4-44.4	1.91	4.21	1.56	3.43	14.4 2.0Ah	4,800	219	8 5/8	9.5Sq.	3/8Sq.	9	320
UBX-AF900Z	M10-M12	3/8-1/2	35-72	25.8-53.1	2.3	5.07	1.81	3.99	18.0 3.0Ah	4,800	255	10 3/64	12.7Sq.	1/2Sq.	6	450

<sup>\*1</sup> Fastening time: 0.5 sec./Ambient temperature: 18 degree/URYU laboratory test  
 \* Neither battery pack nor battery charger is included in a tool UBX-AFxxxZ.  
 \* A large capacity battery may be attachable. Please check with your local supplier.

**Super long life**  
Preventative  
maintenance cycle  
**400%** prolonged by  
No-spring **PHOENIX**  
Pulse Unit

**Workload  
reduced**  
Advantage of  
Oil-Pulse Tools  
High speed, Low vibration  
Low noise,  
Super low reaction

**Traceable high  
accurate fastening**

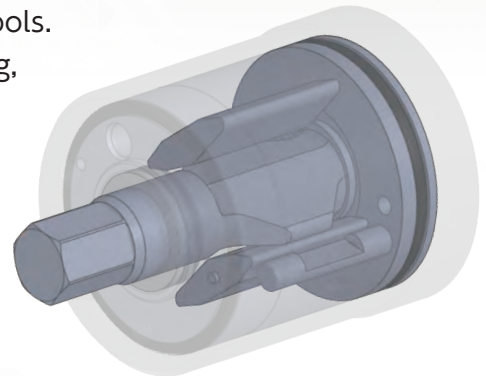
In addition to the Auto-relief,  
with "Zoomed step fastening" which  
has a more detailed fastening setting,  
high accurate fastenings are  
achieved on various applications  
with different joints.

## COMMITMENTS

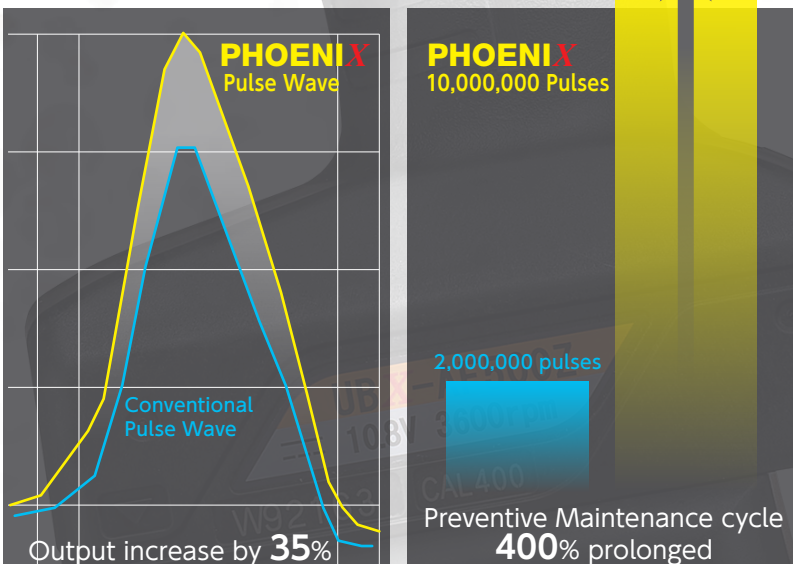
# Benefits of PHOENIX

## Newly developed PHOENIX pulse unit (PAT.)

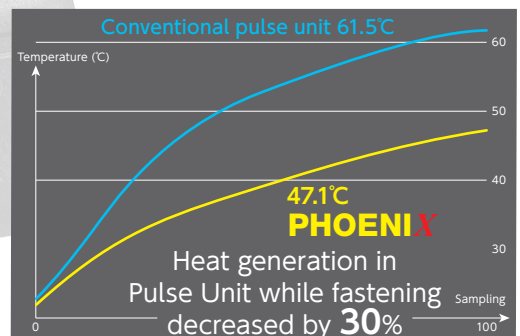
Newly developed spring-free PHOENIX pulse unit increases output by 35%\*1, improves durability by 400%\*2 (10,000,000 pulses) and reduces heat generation by 30%\*2. PHOENIX pulse unit maximises the performance of electric tools. Newly developed Auto-Relief (PAT.) achieves smooth fastening, reducing energy loss, and it is not affected by oil degradation.



## Improved Performance



\*1. Comparison with the conventional equivalent tool  
\*2. Calculated values by our factory test. Values may differ depending on the actual work condition.



Calculated values by our factory test - values may differ depending on the actual work condition.

# UCC-100Z

## Multifunctional Coordinator with built-in Wireless unit for UBX-AF series

- Capable of switching 16 different kinds of fastening setting parameters
- User-selectable channel from 16 options in 2.4GHz band to avoid busy channels



### Specifications

MODEL	UCC-100ZA/ UCC-100ZE
POWER SUPPLY	AC100-240V±10%
POWER FREQUENCY	50/60 Hz
INSULATION PROTECTION	DC500V over 10MΩ
POWER CONSUMPTION	35VA
WEIGHT	2.9Kg
DIMENSIONS	Without antenna: 254(D)x222(W)x99(H) With antenna: 254(D)x233.5(W)x106(H)
MAIN FUNCTIONS	Torque Control/ Angle Monitoring Fastening Counter
PARAMETER SETUP	Manual Input on LCD Panel Personal Computer (with setup software)
DISPLAY	Torque Resolution±2048 (12 Bit A/D) LCD (20 digits x 8 rows) Contents: WORK NO. / FASTENING COUND DOWN NO. / FASTENING TIME/ PULSE NUMBER/ ANGLE/ ERROR MESSAGE
LAMP	COUNT LAMP: OK(Green)/NOK(Red) FASTENING LAMP: LOW(Yellow)/OK(Green)/HIGH(Red)
INPUT TERMINAL SIGNAL	Operation Voltage/ Current: DC24V/ approx. 10mA 6 terminals (free format) *Contact input necessary
OUTPUT TERMINAL SIGNAL	Contact Capacity: DC30V, 1A 6 terminals (free format)
OPTION	Setting PC Cable (Part No. 910-219-0) (Spec. RS232C Straight Cable D-sub 9 female - D-sub 9 female pin 3m)
CODE (A/E)	81Z12/ 81Z02

■ Specifications including the appearance may change without notice.

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