

SUPER "INTELEC" SYSTEM ELECTRIC OIL-PULSE TOOLS & CONTROLLER

PHOENIX

UCX-AF SERIES & UECP-4900 SERIES



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

PHOENIX Pulse Electric Oil-Pulse Tools

UCX-AF series

- **PHOENIX** Pulse Unit (PAT.)
- Small & Light-weight
Overall Length Downsized by 39mm (UCX-AF700)
Weight Reduced by approx. 13% (UCX-AF700)
- More powerful
Number of fastening per minute is increased from 7 to 9 *
- Improved cooling effect
- "Zoomed Step Fastening"
New function is equipped for much higher accuracy
Fastening accuracy is increased twice*
(note: * compared between the conventional model UDP-A700MC and UCX-AF700)



Specifications

Model	Nominal Bolt Size		Torque Range		Free speed (max.)	Length		Height		Weight		From Center to Outside		SQ. size		Number of fastening per minute*	Sound Pressure Level (LpA)**	Vibration Total Value (Ahd)***	Vibration Uncertainty (K)***
	mm	in	N·m	ft·lbs	rpm	mm	in	mm	in	kg	lb	mm	in	mm	in		dB(A)	m/sec ²	m/sec ²
UCX-AF600L	M5-M8	No.10-5/16	4-20	3.0-14.8	4,800	203	7 63/64	237	9 21/64	1.50	3.31	27.5	1 5/64	9.55sq	3/8	12	73	<2.5	0.60
UCX-AF600	M6-M10	1/4-3/8	10-40	7.4-29.6	4,800	203	7 63/64	237	9 21/64	1.50	3.31	27.5	1 5/64	9.55sq	3/8	10	74	<2.5	0.61
UCX-AF700	M8-M12	5/16-1/2	20-60	14.8-44.4	4,800	203	7 63/64	237	9 21/64	1.55	3.42	27.5	1 5/64	9.55sq	3/8	9	76	<2.5	0.62
UCX-AF900	M10-M12	3/8-1/2	30-72	22.1-53.1	4,800	221	8 45/64	237	9 21/64	1.76	3.88	27.5	1 5/64	12.75sq	1/2	7	78	<2.5	0.65

*Fastening time: 0.5 sec. per fastening **Measured per EN62841-1-1. The uncertainty in the sound levels is 3dB(A). ***ISO 28927-2

Strain Gauge

Non-contact Torque Board

Ultra-slim Encoder

Newly-developed compact torque & angle sensor

UCX-AF600L

UCX-AF600

UCX-AF700

UCX-AF900

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.

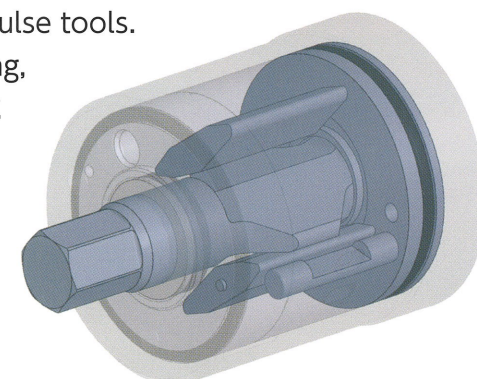
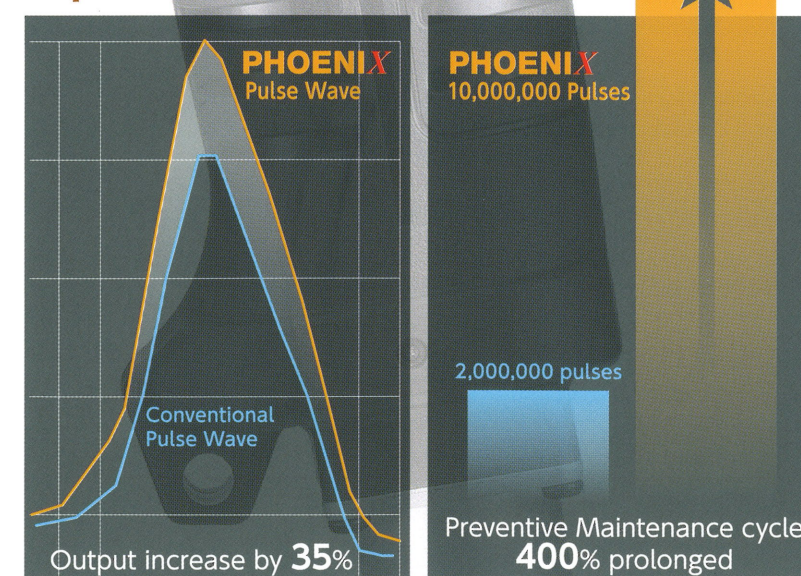
COMMITMENTS

Benefits of UCX-AF series

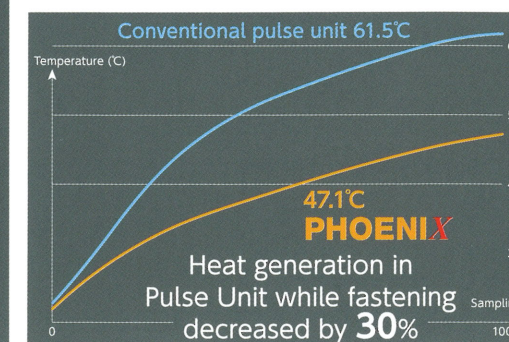
Newly developed PHOENIX pulse unit (PAT.)

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

Improved Performance

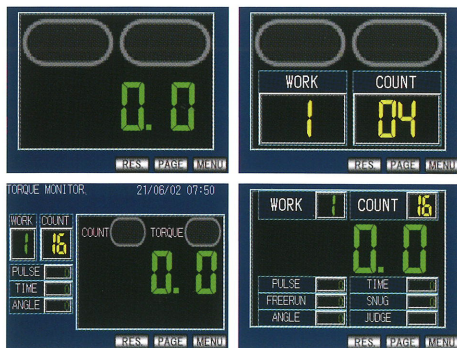


*1. Comparison with the conventional equivalent tool
*2. Calculated values by our factory test. Values may differ depending on the actual work condition.



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

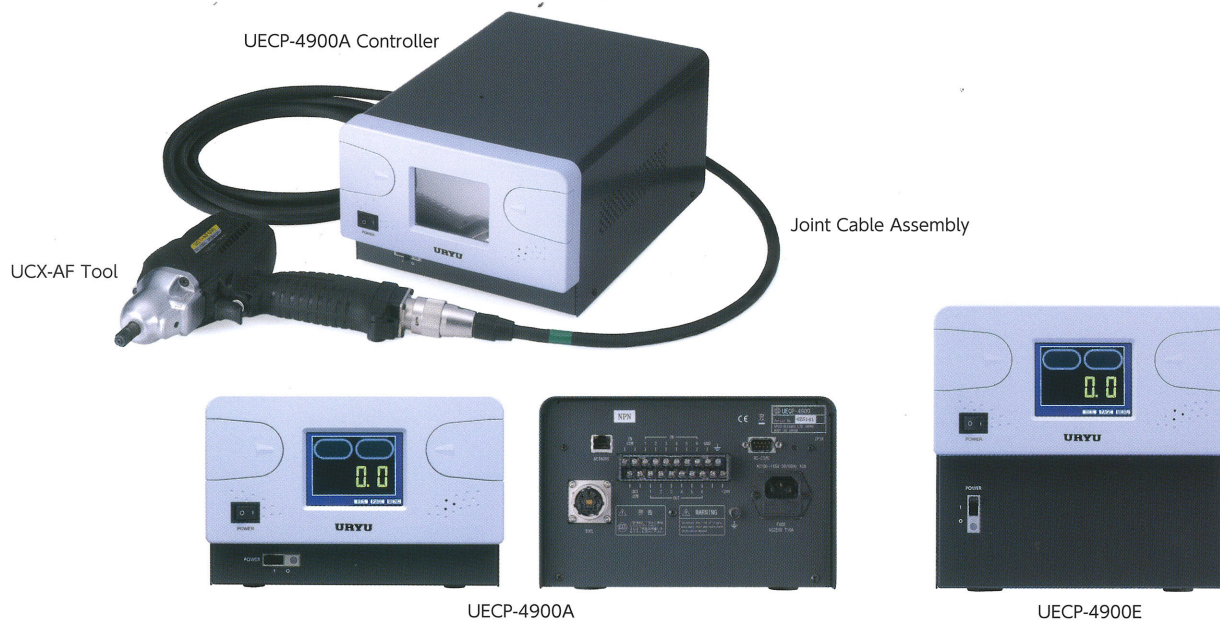
UECP-4900 series



Newly developed controller UECP-4900 series

In addition to the design that is conscious of the use of electric tools, we employ a touch panel TFT color LCD that enables you to check various fastening information at a glance for the workability improvement.

You can change the display screen according to your work.



Specifications

Model		UECP-4900A	UECP-4900E
Power Supply		AC 100V-115V	AC 230V
Power Frequency		50/60 Hz	
Insulation Protection		DC 500V 10MΩ	
Ambient Temperature/Humidity		0 - 50°C (non-freezing)/Under 85% RH	
Weight (approx.)		4.2 kgs.	11.0 kgs.
Dimensions (D)x(W)x(H)		303x220x146.5 mm	303x220x213.5 mm
Main functions		Torque Control/Monitoring Angle Monitoring Fastening counter	
Parameter Setup		Manual input on Front Touch Panel Personal Computer (with setup software)	
Display		3.5-inch LCD (320x240 dot) Touch panel TFT color LCD	
Terminal block	Input signals	Operation voltage/current: DC 24V/approx. 10mA (NPN⇔PNP changeable) 6 terminals (free format) *contact input	
	Output signals	Contact capacity: DC30V, 1A 6 terminals (free format)	
Key		Displayed on the touch panel screen	
Option		Setting PC Cable (Part No. 910-219-0) (Spec.: RS232C Straight Cable D-sub 9 female — D-sub 9 female pin 3m)	
Applicable Standards		EN61010-1 (IEC61010-1)	

■ Specifications including the appearance may change without notice.

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