UPT URYU Power Tools

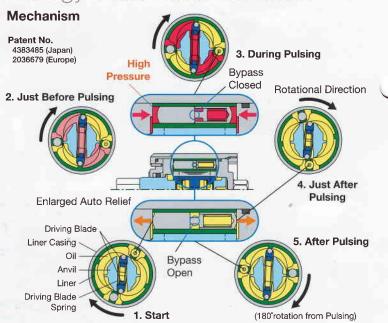
# Series Battery Oil Pi Battery Oil Pulse tool Revolutionizing work environment !! Low Noise Low Vibration Low Reaction Low

# Series Battery Oil Pulse tool

The pulse unit of UDBP series is connected to the motor unit directly, not through a gear train. This has reduced the noise, vibration, and reaction force against the operation. The built-in brushless IPM motor has greatly prolonged the motor longevity, and enables you to tighten more fasteners than the conventional motor per battery change.

# URYU innovate new technology "Auto Relief Function"

Relief Valve changes the area of bypass which plays its role in transforming the oil pressure generated in the pulse unit from high pressured area to low pressured area and adjusts the torque and number of blows depending on the target torque. However, the area of bypass in the existing relief valve system is decided at a proper adjustment position of final target torque, thus it was not possible to change the area of bypass while fastening. Newly developed "Auto Relief Function" changes the area of bypass depending on the process of fastening, which the existing relief valve does not. The new function offers you more ideal fastening than the conventional relief valve.



# Effects

# 1) Torque Spike inhibited

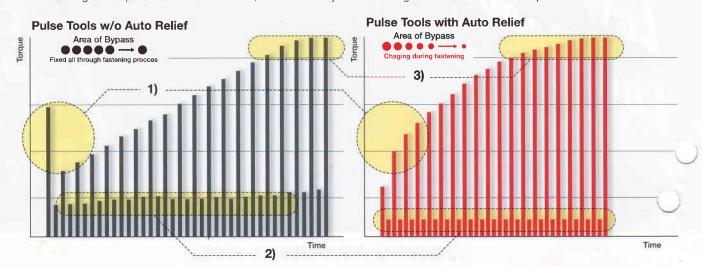
When the bolt is seated, the auto relief valve is open which reduces severity of the first pulse. Torque is applied in an accurate gradual manner until shut off at preset value.

# 2) Fastening time improved (energy saving)

The Auto relief valve is open when the tool is no pulsing reducing resistance pulse which is 180 degree opposite. Auto relief increases the number of pulse per second resulting in shorter tightening times on the application. A start of fastening becomes faster by reducing resistance pulse and torque reaches a stable area of the fastening.

# 3) Torque accuracy improved

The torque reaches the stable area of a fastening faster in our above explanation of the second effects. Fastening can be performed in the stable area, so that accuracy of the fastening is also stable at an actual operation.





# **UDBP Series** Battery Oil Pulse tool

# UDBP-TA Shut-off Type Battery Oil Pulse Tool

Models	Bolt Cap	Bolt Capacity		ue Range	Free Speed	Overa	II Length	_	•		or bit)	E. 1504111	Center		orive / Size	Sound Pressure	Vibration Total Value (Ahd)	Vibration	Battery Voltage	Battery
	Models	mm	in	N-m	ft-lbs	rpm	mm	in	ka		kg	battery	III MINISTERIO	in	-	ENVILE	COD VINTANIA	IOSS TODO PORO	oree must be	(1.3941)
LIDDD TA40	- NAME OF THE OWNER, OW		AMERICAN STREET	AND POST A	16.0000	Checopour		100	in	THE REAL PROPERTY.		mm		mm	in.	dB(A)	m/sec <sup>2</sup>	m/sec <sup>2</sup>	v	-
UDBP-TA40	M5	No. 10	4.5-8	3.3 - 5.9	4800	208	8 3/16	1.4	3.08	1.11	2.44	29.5	1 5/32	6.35Hex	1/4hex	75	<2.5	0.55	11.1	UB111Li
UDBP-TA40(P)	M5	No. 10	4.5-8	3.3 - 5.9	4800	205	8 5/64	1.4	3.08	1.11	2.44	29.5	1 5/32	9.5Sq	3/8sq.	75	<2.5	0.54		
UDBP-TA50	M6-M8	1/4 - 5/16	6.5-13	4.8 - 9.6	4800	208	8 3/16	1.4	3.08	1.11	2.44	29.5	1 5/32	6.35Hex	1/4hex	75	<2.5	0.56		
UDBP-TA50(P)	M6-M8	1/4 - 5/16	7-15	5.1 - 11.1	4800	205	8 5/64	1.4	3.08	1.11	2.44	29.5	1 5/32	9.5Sq	3/8sq.	75	<2.5	0.54		
UDBP-TA60	M8	5/16	13-26	9.6 - 19.2	4800	223	8 25/32	1.7	3.74	1.25	2.75	29.5	1 5/32	6.35Hex	1/4hex	77	<2.5	0.57	00.0	UB222Li
UDBP-TA60(P)	M8	5/16	15-28	11.1 - 20.7	4800	220	8 11/16	1.7	3.74	1.25	2.75	29.5	1 5/32	9.5Sq	3/8sq.	76	<2.5	0.55	22.2	
UDBP-TA70(P)	M8-M10	5/16 - 13/32	26-47	19.2 - 34.7	4800	234	9 7/32	2.0	4.4	1.39	3,06	29,5	1 5/32	9.5Sq	3/8sq.	76	<2.5	0.57	33.3	UB333L

The noise measurement method of EN60745 is much aligned with ISO15744. The uncertainty in the sound levels is 3 dB(A). Vibration Level in accordance with ISO28927-2

### **UDBP Non Shut-off Type Battery Oil Pulse Tool Specifications**

Models	Bolt Capacity		Bolt Capacity		Bolt Capacity		Bolt Capacity		Bolt Capacity		Bolt Capacity		Bolt Capacity		Bolt Capacity		Torq	ue Range	Free Speed	Overa	ill Length				t or bit) t battery		Center utside		Drive / . Size	Sound Pressure Level (Lpx)	Vibration Total Value (And)	Vibration Uncertainty (K)	Battery Voltage (1,5Ah)	Battery
	mm	in	N-m	ft-lbs	rpm	mm	in	kg	in	kg	in	mm	in	mm	in	dB(A)	m/sec²	m/sec <sup>2</sup>	Woder															
UDBP-A50	M6-M8	1/4 - 5/16	8-17	5.9 - 12.6	5300	203	7 63/64	1.4	3.08	1.11	2.44	29.5	1 5/32	6.35Hex	1/4 hex	76	<2.5	0.56	11.1	UB111Li														
UDBP-A50(P)	M6-M8	1/4 - 5/16	11-20	8.1 - 14.8	5300	200	7 7/8	1.4	3.08	1.11	2.44	29.5	1 5/32	9.5Sq	3/8 sq.	76	<2.5	0.54																
UDBP-A60	M8-M10	5/16	17-30	12.6 - 22.2	4800	218	8 37/64	1.7	3.74	1.25	2.75	29.5	1 5/32	6.35Hex	1/4 hex	77	<2.5	0.6																
UDBP-A60(P)	M8-M10	5/16	20-32	14.8 - 23.7	4800	215	8 15/32	1.7	3.74	1.25	2.75	29.5	1 5/32	9.5Sq	3/8 sq.	77	<2.5	0.6	22.2	UB222Li														

The noise measurement method of EN60745 is much aligned with ISO15744. The uncertainty in the sound levels is 3 dB(A) Vibration Level in accordance with ISO28927-2

## **Battery**

Battery Model Number	UB111Li	UB222Li	UB333Li
Voltage	11.1V	22.2V	33.3V
Capacity	1.5Ah	1.5Ah	1.5Ah
Weight (Approx.)	0.29kg	0.45kg	0.61kg
Part number	861-188-1	861-182-1	861-187-1





# Charger

Charger Model Number	UBC		
Power Supply	AC 100 - 240V*		
Power Consumption	100V: 225VA 240V: 296VA		
Weight (Approx.)	1.6kg		
Operating Temperature Range	5 - 40°C		
Part number	861-183-1		

'Use the power cable that URYU ships with the charger.



Battery Capacity	Time (Approx.)
80%	40 minutes
100%	64 minutes

UDBP-TA\*\*-STA (for 120V) UDBP-TA\*\*-STE (for 230V)

The tool, charger and 2 sets of batteries are also available as a set.



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Tool Model	Part number
UDBP-TA40 & TA50 series	863-964-1
UDBP-TA60 series	863-965-1
UDBP-TA70(P)	863-966-1



# **Battery Protector**

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Battery Model Number	Part numbe
UB111Li	863-976-1
UB222Li	863-977-1
UB333Li	863-978-1



Model	Torque (Nm)	Tester (Bolt size)	Battery Model	Fastening numbers. (Approx.)
UDBP-TA40	7.0Nm	UFT-6 (M6)	UB111Li	Hard joint: 840 pcs. Soft joint: 270 pcs.
UDBP-TA50•A50	11.0Nm	UFT-10(M8)	UB111Li	Hard joint: 580 pcs. Soft joint: 190 pcs.
UDBP-TA50(P)•A50(P)	12.5Nm	UFT-10(M8)	UB111Li	Hard joint: 580 pcs. Soft joint: 190 pcs.
UDBP-TA60•A60	24.0Nm	UFT-10(M10)	UB222Li	Hard joint: 500 pcs. Soft joint: 170 pcs.
UDBP-TA60(P)+A60(P)	26.0Nm	UFT-10(M10)	UB222Li	Hard joint: 500 pcs. Soft joint: 170 pcs.
UDBP-TA70(P)	40.0Nm	UFT-16(M12)	UB333Li	Hard joint: 600 pcs. Soft joint: 200 pcs.

\*Torque is set at Hard joint. Number of tightening per charge varies depending on torque level, fastener length and application.

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