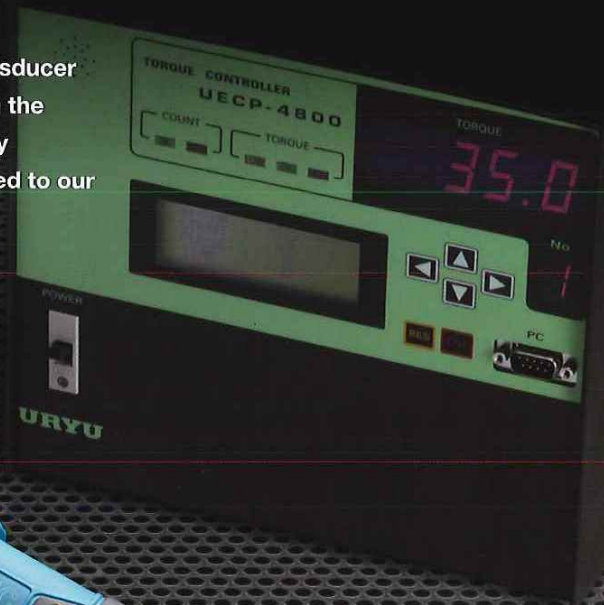


SUPER "INTELEC" SYSTEM ELECTRIC TOOLS

UDP-MC SERIES

The URYU unique non-contact and Magnetostrictive transducer incorporated into UDP-MC series tools provides you with the tightening and fastening counter monitoring controlled by high-accurate torque control mechanism, being connected to our multi-functional controller UECP-4800 series.



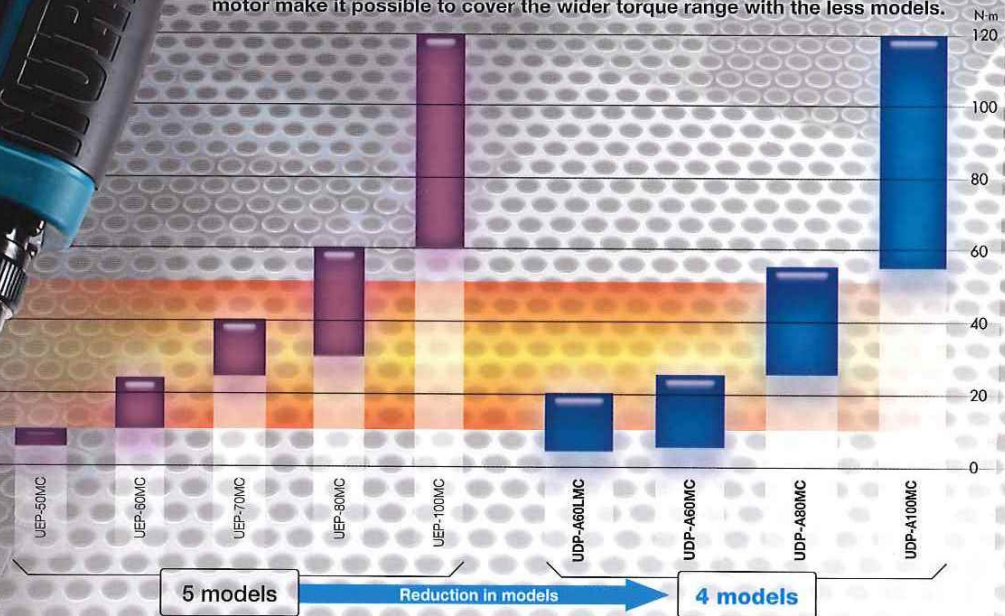
UECP-4800A : 115V use
UECP-4800E : 230V use



UDP-A80MC

Comparison with existing UEP Series

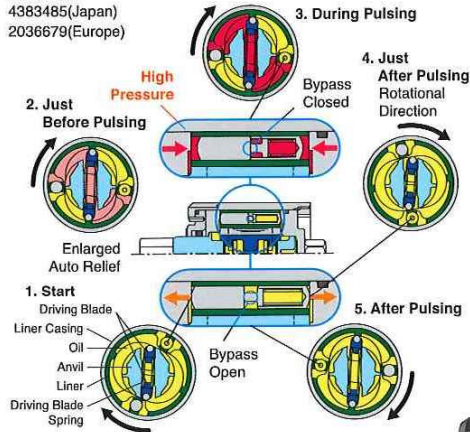
Newly developed Auto-relief mechanism, and the speed & torque changeable motor make it possible to cover the wider torque range with the less models.



UDP-MC SUPER "INTELEC" SYSTEM ELECTRIC TOOLS

Auto Relief Mechanism

Patent No.
4383485(Japan)
2036679(Europe)



Relief Valve changes the area of bypass which plays its roles in transferring the oil pressure generated in 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. This new function offers you more ideal fastening than the conventional relief valve.

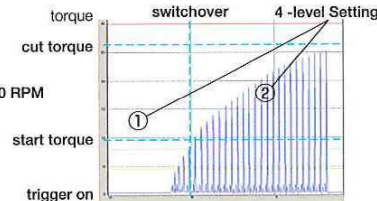
Rotation Speed & Current (Motor Torque)

High Accuracy & Proper Set-up for workpiece.

2-step fastening

- 1 Trigger ON --> Start torque
- 2 Start torque --> Cut torque

Motor Torque : 4-level settings
Rotation Speed : Settings between 1,000-4,800 RPM in 100RPM increments

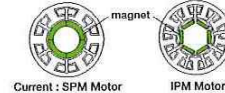


Magnetostrictive Sensor

Uryu brushless Magnetostrictive Torque sensor consists of an Anvil and a pair of sensor coils. Without contacting the Anvil, the sensor coil detects load given to the Anvil (non-contact). The grooves in the Anvil are at a 45 degree angle in one location. When torque is applied to the Anvil, tensile stress appears on the location and magnet permeability increases. These permeability changes are detected, respectively transformed to the voltage change (proportional to applied torque) and converted to torque signals to control tool.

DC Brushless Motor

High torque & high efficiency adopted by IPM Motor for reduction of fastening time.



Cooling Fan & Handle

- Electric ventilator helps cool Motor and Oil-Pulse Unit to contribute to more fasteners.
- Ergonomic design by Plastic-Rubber double molding for weight reduction & high insulation quality.

Slim Cable

Improves flexibility and usability



Specifications

Model	Capacity (Nominal Bolt Size)		Overall Length (about)		Weight without Socket (about)		From Center to Outside (about)		Torque Range		Free Speed (approx)	SQ Drive Size		EN60745		ISO 28927-2 *measured under load	
	mm	in	mm	in	kg	lb	mm	in	Nm	ft.-lbs		mm	in	Sound Pressure Level (LpA)	Sound Power Level (LwA)	Vibration Total Value (Ahcd)	Vibration Uncertainty (k)
	mm	in	mm	in	kg	lb	mm	in	Nm	ft.-lbs		rpm	mm	in	dB(A)	dB(A)	m/sec ²
UDP-A60LMC	5-6	1/4-5/16	214	8 27/64	1.53	3.37	29.5	1 5/32	4-20	2.9-14.4	1000-4800	9.5	3/8	74	-	<2.5	0.60
UDP-A60MC	6-8	1/4-5/16	214	8 27/64	1.53	3.37	29.5	1 5/32	5-25	3.7-18.5	1000-4800	9.5	3/8	74	-	<2.5	0.60
UDP-A80MC	8-12	5/12-1/2	242	9 17/32	1.78	3.92	29.5	1 5/32	25-55	18.5-40.5	1000-4800	9.5	3/8	76	-	<2.5	0.63
UDP-A100MC	Under Development																

The noise measurement method of EN60745 is much aligned with ISO15744
The uncertainty in the sound levels is 3dB(A)

Specifications subject to change without notice.

URYU SEISAKU, LTD.

P.O.Box 7, Higashinari, Osaka, Japan
Telephone Nos. +81-6-6973-9414-9415
Fax. No. +81-6-6972-0346
E-Mail: uryuair@uryu.co.jp

Distributed by: