

# DLV7300series

•For Miniature Screws (1mm~3.5mm)



## Features

- Slim, Compact and Lightweight in Ergonomics**
- High repetitive torque accuracy.
- Meets Class 100 clean room operation.(DLV7325/7335)
- Stepless speed adjustment and soft start functions. (DLC1213)

## Specifications

		Standard			Clean room use	
<b>Model</b>	Bit Shank: ø4mm	DLV7313-CME	DLV7323-CME	DLV7333-CME	DLV7325-CME*1	DLV7335-CME*1
	Bit Shank: Hex.6.35mm		DLV7321-CME	DLV7331-CME		
			DLV7323-CKE	DLV7333-CKE		
<b>Starting Method</b>		Lever Start				
<b>Input Voltage</b>		24VDC				
<b>Torque Adjustment</b>		Stepless				
<b>Torque</b>	(N·m)	0.03~0.15	0.05~0.49	0.29~1.18	0.05~0.49	0.29~1.18
	(kgf·cm)	0.3~1.5	0.5~5	3~12	0.5~5	3~12
<b>Free Speed (min<sup>-1</sup>)</b>		700~1000		500~700	700~1000	500~700
<b>Power Consumption (W)</b>		Approx.26				
<b>Screw Size</b>	Machine Screw	Up to 2	1~3	2~3.5	1~3	2~3.5
	Tapping Screw	Up to 1.7	1.2~2.6	2~3	1.2~2.6	2~3
<b>Bit Type (mm)</b>	For CME					
	For CKE					
<b>Mass (g)</b>		350			400	

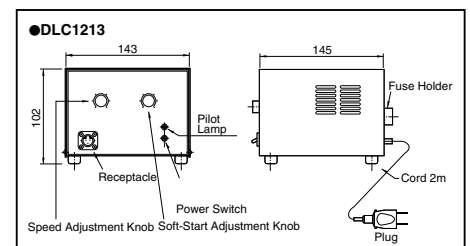
\*1 : These models are made to order. \*2 : Be sure to use vacuum pump with DLV7325/7335 series.

Model	Features	Input Voltage	Output Voltage	Control Function	Shape of Plug for Power Supply	Mass(kg)
DLC1213-EN	Standard	100 VAC	24 VDC	Auto stop, soft start, speed control	Asia	2.2
DLC1213-FE*1	Standard	115 VAC			Europe	
DLC1213-GE	Standard	220 VAC			UK	
DLC1213-GG	With CE Mark	220 VAC		Without Plug		
DLC1213-GG U	With CE Mark	240 VAC				
DLC1213-HE	Standard	240 VAC		Auto stop	Asia	
DLC1215-EN	2 Screwdrivers for 1 Controller	100 VAC	Auto stop		Asia	0.36
DLC1215-GE	2 Screwdrivers for 1 Controller	220 VAC				
DLC2310-CE	Multiple Controller	24 VAC				
DLE3610-EN	Power Supply for DLC2310-CE	100 VAC	24 VAC		Asia	9

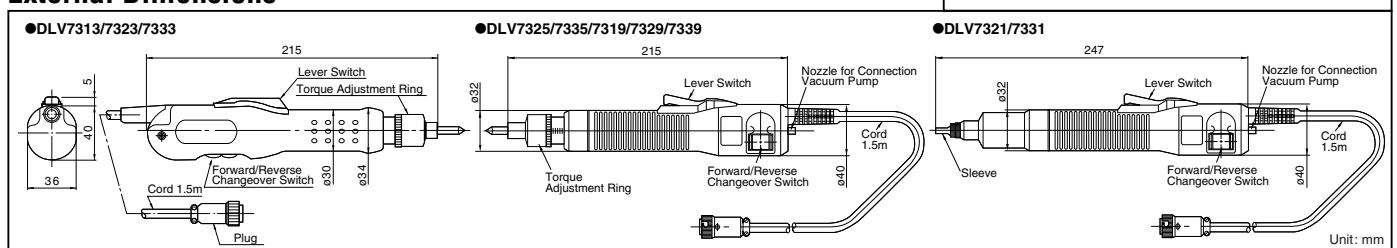
\*1 : This model is made to order. \*2 : See page 17 for details of the models other than DLC1213 series.

## Standard Accessories

No.	DLV7313 -CME	DLV7321/23 -CME	DLV7331/33 -CME	DLV7321/23/31/33-CKE	DLV7325 -CME	DLV7335 -CME	DLV7325/35 -CME
<b>Bit</b>							
No.0 x 1.8 x 44	1	—	—	—	—	—	—
No.0 x 2.5 x 44	1	1	—	—	1	—	—
No.1 x 3 x 44	—	—	1	—	—	1	—
No.1 x 4 x 44	—	1	—	—	1	—	—
No.1 x 7 x 50	—	—	—	1	—	—	—
No.2 x 4 x 44	—	—	1	—	—	1	—
No.2 x 4.5 x 50	—	—	—	—	—	—	1
No.2 x 7 x 50	—	—	—	1	—	—	—
<b>Sleeve</b>							
DLS2124	—	—	—	—	1	—	—
DLS2127	—	—	—	—	1	1	—
DLS2130	—	—	—	—	1	1	—
DLS2134	—	—	—	—	—	1	—
DLS2135	—	—	—	—	—	—	1
<b>Suspension Bail</b>	1						



## External Dimensions



# DLV7300-BME series



## Features

The DLV73□□-B□□ prevents static electricity from any precision product which are vulnerable to it. Furthermore, very small impact in fastening enables high quality production.

## Specifications

		ESD		ESD/Low Shock				
Screwdriver	<b>Model</b>	Bit Shank:φ4mm Bit Shank:Hex. 6.35mm	DLV7321-BME*1 DLV7321-BKE	DLV7331-BME*1 DLV7331-BKE	DLV7319-BME*1	DLV7329-BME*1	DLV7339-BME DLV7349-BME*1	
	<b>Starting Method</b>		Lever Start					
	<b>Input Voltage</b>		24VDC					
	<b>Torque Adjustment</b>		Stepless					
	<b>Torque</b>	(N·m)	0.05~0.49	0.29~1.18	0.2~0.39	0.25~0.54	0.44~0.93	0.54~1.18
		(kgf·cm)	0.5~5	2~12	2~4	2.5~5.5	4.5~9.5	5.5~12
	<b>Free Speed</b> (min <sup>-1</sup> )		700~1,000	500~700	700~1,000		500~700	
	<b>Power Consumption</b> (W)		26					
	<b>Screw Size</b> (mm)	Machine Screw	1~3	2~3.5	2~3		3~3.5	
		Tapping Screw	1.2~2.6	2~3	2~2.6		2.6~3	
<b>Bit Type</b> (mm)	For BME							
	For BKE							
<b>Mass</b> (g)		350			400			

\*1 : These models are made to order.

Controller	Model	Input Voltage	Shape of Plug for Power Supply	Output Voltage	Control	Mass(kg)
	DLC1213-ENB	100VAC, 50/60Hz	USA	24VDC	Grounding, Auto Stop, Soft Start, Speed Control	2.2
	DLC1213-FEB*1	115VAC, 50/60Hz	USA			
	DLC1213-GGB	220VAC, 50/60Hz	Europe			
	DLC1213-HEB	240VAC, 50/60Hz	UK			

\*1 : This model is made to order.

Measurement point		Conventional product	DLV7309-BM□
Handle	Static Electricity (V)	350	5
	Surface Resistance (Ω)	more than10 <sup>13</sup>	10 <sup>4</sup>
Lever Switch	Static Electricity (V)	350	2
	Surface Resistance (Ω)	more than10 <sup>13</sup>	10 <sup>4</sup>
Forward/Reverse Switch	Static Electricity (V)	25	2
Power Cable	Static Electricity (V)	110	5
	Surface Resistance (Ω)	more than10 <sup>13</sup>	10 <sup>10</sup>

Part	Material
Handle Lever Switch	Synthetic resin with carbon fiber
Power Cable	Anti-static material

\*Measurement conditions (Temperature:22°C Humidity:66%)

- (1) Static electricity ●Earth the measurement equipment and measuring person.  
 ●Grip the screwdriver five times using Ansel Edmont electronic control glove.  
 ●Turn on the switch of the screwdriver. ●Measure each part of the screwdriver using electronic measurement equipment manufactured by Shishido electrostatic Ltd.  
 (2) Surface resistance ●Measure using Simco Japan surface resistivity measurement equipment.

## Standard Accessories

	No.	DLV7319/29 -BME	DLV7339/49 -BME	DLV7321 -BME	DLV7331 -BME	DLV7321/31 -BKE
Bit	No.0 x 2.5 x 44	1	—	1	—	—
	No.1 x 3 x 44	—	1	—	1	—
	No.1 x 4 x 44	1	—	1	—	—
	No.1 x 7 x 50	—	—	—	—	1
	No.2 x 4 x 44	—	1	—	1	—
	No.2 x 7 x 50	—	—	—	—	1
Sleeve	DLS2124	1	—	—	—	—
	DLS2127	1	1	—	—	—
	DLS2130	1	1	—	—	—
	DLS2134	—	1	—	—	—
Suspension Bail		1				

## External Dimensions

