

Connectable electric screwdrivers and controller

🗌 : X,Y,Z

For	DTM10
Madal	

Model		DLV04C10L-A	DLV10C10L-A	1	
Starting Method		Lever	2		
Power Source	Power Source		From dedicated controller		
Torque Adju	stment	1 to 1 (From 1 to 100% i	251		
	SOFT fastening setting (1000 min ⁻¹ setting)	0.05 to 0.4 [0.4 to 3.5]	0.2 to 1.0 [1.8 to 8.9]	1	
Torque (Nm [lbf·in])	SOFT fastening setting (600 min ⁻¹ setting)	0.05 to 0.35 [0.4 to 3.1]	0.2 to 0.45 [1.8 to 4.0]	ł	
	HARD fastening setting	0.05 to 0.4 [0.4 to 3.5]	0.2 to 1.0 [1.8 to 8.9]	T	
Free Speed	SOFT fastening setting	600 to	0 1000	0-	
(min ⁻¹)	HARD fastening setting	100 to	0 1000	19	
Controller		DCC01	01X-AZ		

NITTO	KOHKI	CO	I TD
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Web www.nitto-kohki.co.jp/e/

DISTRIBUTED BY

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For DTM45

Starting Method

Torque Adjustment

Torque (Nm [lbf·in])

SOFT

HARD

Speed Lev

(min-1)

ning setting Speed Level

Power Source

Model

ree

Controller



: Y.Z

DLV45C12P-A

Push to Start

DLV45C12L-A

From dedicated controller

1 to 100%

(From 1 to 100% in 1% increments

0.6 to 4.5 [5.3 to 39.8] 400 to 1200

Level 1 to 9

100 to 700

Automatically set by torque setting

DCC0241X-AZ

Lever Start



For delvo Brushless Type C Series Screw Fastening Monitor Model DTM10/DTM45

For traceability management! **Outputs torque value from a screwdriver** (converted value)

- Converts motor current to torque value at torque-up
- Sends data to external devices such as computers and PLCs
- The free dedicated software is available on Nitto Kohki website
- OK(Pass)/NG(Fail) can be judged by the output torque (converted value) and screw fastening time



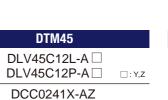
Specifications

Mo	del	DTM10				
Connectable models	Electric screwdriver	DLV04C10L-A DLV10C10L-A : x,y,z				
models	Controller	DCC0101X-AZ				
Tranamia	aion data	Operation channel/Converte				
Transmis	sion data	Screw fastening time	Screw			
Communica	tion method	RS-2 (When connecting to a PC, please use a c	232C onversio			
Standard A	ccessories	Connection cord DLW9075 (2 m) Rubber feet	• Con • Rub			
		I				

*Converted current value: Motor current value at torque-up converted to a value between 0 to 4095

Specifications and designs are subject to change at any time without notice.

NITTO KOHK



ed current value*

w fastening time/Rotation signal

ion adapter available on the market.)

nnection cord DLW9078 (2 m) bber feet

RS-232C

Specifications: D-SUB 9-pin (female) Screw: Inch female screw (#4-40)







How to measure output torque (converted value)

1. Perform the communication setting for Screw Fastening Monitor and Torque Checker. Set COM Port and Baud rate.



Comm	unication setting			Screwd	river1 SNITTO KOHKI
•	ning monitor	CHECK!		Torque Checke	
RS-232 COM For Baud rate Data lat Paray bit Stop for		Ethernet * Sener Cana Sandhy P Sandhy por	respondent Frim	COM You Seud rate Debit co Paray Int Sing Mit	COM - ISO00ps - dis - aan - 2ar -
	() ©		C	0

*Please download a driver for RS-232C from a website of each company.

(Measurement method: TIME)

Communication setting

2. Measure the torque conversion factor for each channel.



mbei 10 w	Amanaured Value	1.670 Nm Cunner v	729	
Nambar	Marsuned Valu (Sonoue Checke		Current Valuer (Converted)	
T	1.720		734	÷.
2	1.680		752	
3.	1.700		725	
5	1.700		727	
6	1.620		25.4	
7	1.200		752	
8	1.710		719	
9	1.700		719	
Average	1.694		758.7	
T.C.factor*		0.0022955662		- De
ul comtents of Torquis checkler 12.0 Kollia (431m) - Kart N°m	Litector forque conversion faultic	Output contents of Screw Fastening 2016/10/16 V42716 OK/222-966	Moster	The

3. Set the output torque judgement value and time judgement value for each channel as required.

Screw fastening monitor	Screudrivert © Колики
Operation channel	Zm Result
Converted Torque	CLICK !
Time	sec

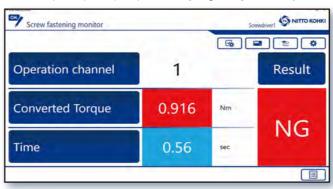
Main screen

Jud 🗘	gement va	alue setting			Scr	ewdriver1 S NITTO KC
0			CHECK!			
Operation c	hannel		itput forque judgen per imit		në judgement value per emit Lower	
Torque com factor		0005648541	0.800	0.600	1.00	0.00
Openation (Twine)	forque conversion	Updated date and time	Output tomper)		Tene judgement	
OH1	Gator 0-0005000000	2019/11/30 10:22:47	Upper limit 8.000	Lower limit	Upper limit	Lower limit
941	190000000	2015(11/30 102224)	1,00	5000	9.99	0.00
343	5 9900000000		8,000	0.000	9.99	8.00
344	9 9900000000		\$.000	0.000	9.99	00.5
046	\$ 9900000000		8.000	0.000	996	0.00
046	9 9900000000		8.000	0.000	9.99	0.00
047	3-9900000000		8:000	0.000	9.99	0.00
048	\$ 9900000000		£.000	0.000	9.99	0.00
CH0	3.9900000000		8.000	0.000	9.99	0.00
CH10	3.9900000000	-	8.000	5.000	9.99	0.00
H11	3 9900000000		8.000	0.000	9.99	0.60
SH12	9.9900000000		8,000	0.005	9.99	6.00
	3 9900000000		8.000	0.000	9.99	4:00
CH13 CH14	19900000000		8.000	0,005		10.00

Judgement value setting

*The operation channel can be set as follows. DLV04C/10C: up to CH4 DLV45C: up to CH30





The result of the output torque is NG(Fail).





*The measured data is a reference value obtained by converting the load current of the electric screwdriver to torque, which is not a guaranteed value.

Compatibility chart

Screw Fastening	Electric	Controller	Torque	Screw	joint	
Monitor	screwdriver	Controller	Checker	SOFT	HARD	
DTMAG	DLV04C	DOCOMONY AZ		DLW4540	DLW4560	
DTM10	DLV10C	DCC0101X-AZ	DLIII/3A	DLW4550	DL11430	
DTM45	DLV45C	DCC0241X-AZ	DLT1673A	DLW4050	DLW4040	

5. OK(Pass)/NG(Fail) can be judged by the output torque (converted value) and screw fastening time.



The result of the screw fastening time is NG(Fail). *Only DTM45 can switch time (sec) and rotation signal (signal).

E Fastening Data Log								
2020/01		C	9					
Date and term	Carence there	Output torque (Cottverted)	(Jack	Dutput torque Subpervent	TienTigne	Abesuw	Instignt) Marriet	Diversit judgement
2020/01/14 11:27:48.01	1	0.405	Nm		0.61	TIME	.OK	
2020/01/14 11:27:45.24	1	0.416	Nm		0.66	TIME	OK.	
2020/01/14 11:27:26.30	1	0.412	Nm	NG	0,31	TIME	OK	
2020/01/14 11:27:20.80	1	0.701	Nm		0,17	TIME	OK	NG
2020/01/14 11:27:13.80	1	0.403	Nm		0.70	TIME	OK.	
2020/01/14 11:26:45.10	1	0.409	Nm		0.62	TIME	NG	NG
2020/01/14 11:26:41.91	1	0.416	Nm		0.31	TIME	OX	04
2020/01/14 11:26:38.60	1	0.414	Nm		0.66	TIME	NG	NG
2020/01/14 11:26:18.93	1	0.416	Nm		0.76	TIME	OK	OK
2020/01/14 11:26 13:99		0.410	Nm		0.40	TIME		

Fastening Data Log

