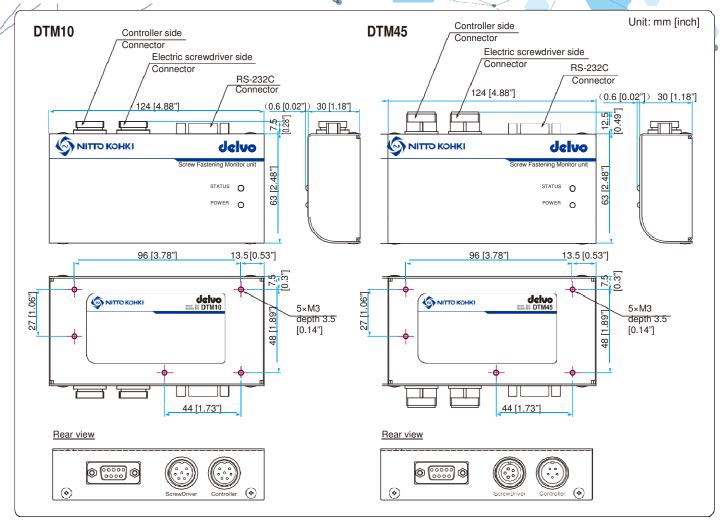
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External Dimensions



Connectable electric screwdrivers

For DTM10

Model		DLV04C10L-AZ K	DLV10C10L-AZ K	
Starting Method		Lever Start		
Power Source		From dedicated controller		
Torque Adjustment		1 to 100 % (From 1 to 100% in 1% increments)		
	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]	
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]	
	HARD fastening setting	0.05 to 0.4 [0.4 to 3.5]	0.2 to 1.0 [1.8 to 8.9]	
Free Speed	SOFT fastening setting	600 to 1000		
(min ⁻¹)	HARD fastening setting	100 to 1000		

For DTM45

Model			DLV45C12L-AZ K	DLV4512P-AZ K	
Starting Method			Lever Start	Push to Start	
Power Source			From dedicated controller		
Torque Adjustment			1 to 100%		
			(From 1 to 100% in 1% increments)		
Torque (Nm [lbf.in])			0.6 to 4.5 [5.3 to 39.8]		
Free Speed	SOFT fastening setting	(min ⁻¹)	400 to 1200		
		Speed Level	Level 1 to 9		
	HARD	(min ⁻¹)	100 to 700		
	fasteningsetting	Speed Level	Automatically set by torque setting		

NITTO KOHKI CO., LTD.

Web www.nitto-kohki.co.jp/e

9-4, Nakaikegami 2-chome, Ohta-ku, Tokyo 146-8555, Japan Tel: +81-3-3755-1111 Fax: +81-3-3753-8791

E-mail: overseas@nitto-kohki.co.jp



DISTRIBUTED BY

Techco (Private) Limited

10 Admiralty Street #06-75 to 78 Northlink Building. Singapore 757695 Tel: +65 6758 1111 Fax: +65 6758 9007 Email: singapore@techcogroup.com Website:www.techcogroup.com









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



■ Specifications

- opcomout				
Model		DTM10	DTM45	
Connectable models	Electric screwdriver	DLV04C10L-AZ DLV10C10L-AZ	DLV45C12L-AZ DLV45C12P-AZ	
models	Controller	DCC0101X-AZ	DCC0241X-AZ	
Transmission data Communication method Standard Accessories		Operation channel/Converted current value*		
		Screw fastening time	Screw fastening time/Rotation signa	
		RS-232C *When connecting to a PC, please use a conversion adapter available on the market.		
		Connection cord DLW9075 (2 m)Rubber feet	Connection cord DLW9078 (2 m) Rubber feet	

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



Specifications: D-SUB 9-pin (female)

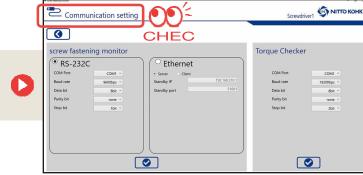
Screw: Inch female screw (#4-40)



How to measure output torque (converted value)

1. Perform the communication setting for Screw Fastening Monitor and Torque Checker.



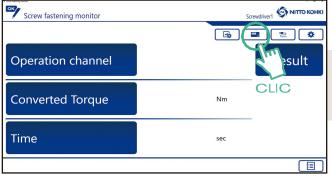


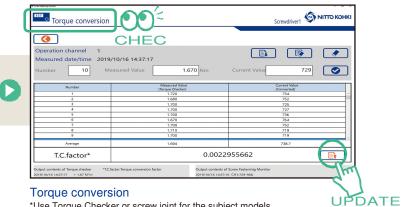
(Measurement method: TIME)

Main screen

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

Measure the torque conversion factor for each channel.



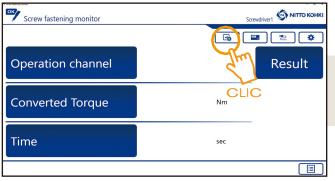


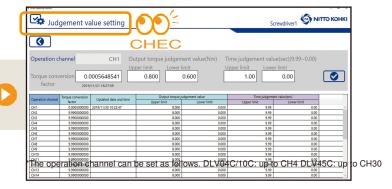
*Use Torque Checker or screw joint for the subject models.

Main screen

(Refer to the compatibility chart on the right page.)

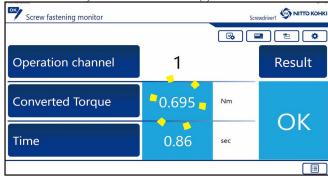
3. Set the output torque judgement value and time judgement value for each channel as required.





Judgement value setting

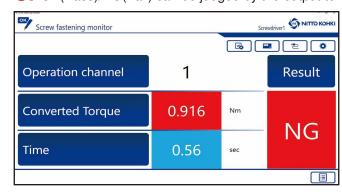
4. Measure the torque with Torque Checker. Check the difference of the value between the software and Torque Checker.





The result is OK(Pass).

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



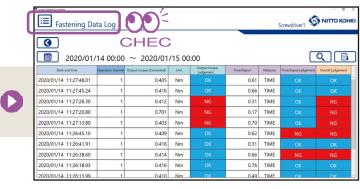


The result of the output torque is NG(Fail).

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

6. The fastening data log can be checked.





Fastening Data Log

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

Screw		Electric	Torque	Screw joint	
Fastenin Monitor		screwdriver	Checker	SOFT	HARD
DTM10)	DLV04C	DLT1173A	DLW4540	DLW4560
		DLV10C		DLW4550	
DTM45	,	DLV45C	DLT1673A	DLW4050	DLW4040



DLW4540 DLW4550 DLW4560