

DLT1173A/1673A/1973A series

■ Torque Checker

Features

Maintaining high assembly quality with ease

- Measured data is stored even after the power is turned off, preventing any data loss
- Energy saving type with AUTO POWER OFF function (Power is automatically turned off when left unused for 10 minutes)
- A program designed for uploading the data stored in the "delvo" torque checkers to a computer is available to download free from the NITTO KOHKI website: www.nitto-kohki.co.jp/e/prd/e-dl/delvo.html



DLT1673A





DLT1973A

Click



Specifications

Model	DLT1173A	DLT1673A	DLT1973A
Measurement Range (Nm)	0.015 - 1.500	0.15 - 10.00	4.00 - 12.00
Calibration Precision	Within $\pm 0.5\%$ (Full Scale) For 0.2 Nm or less ± 1 digit	Within $\pm 0.5\%$ (Full Scale) For 2 Nm or less ± 1 digit	Within $\pm 0.5\%$ (Full Scale)
Display	4-digit digital display (Single-line) Data sampling : 1,000 times/sec. Display rate : 12 times/sec.		
Measuring Unit	kgf · cm, Nm, lbf · in (selectable)		
Data Memory	800 pieces of data		
Measuring Direction	CW and CCW		
Measuring Mode	3 modes : PD-TR-PP		
Auto Power Off	Power off if left untouched for 10 minutes		
External Output	As per USB output Mitsutoyo Digimatic		
Analog Output	Approx. 1.5 V max.	Approx. 1.0 V max.	Approx. 1.1 V max.
Continuous Operation Time	No zero offset; identical waveforms produced in PP, PD, and TR modes 20 hours		
External Dimensions (mm)	W160 × D110 × H47		W200 × D112 × H48.5
Mass (kg)	1.1		1.4
Rechargeable Battery	Nickel metal hydride battery		
Charger Type	DLE1833A		
Input Voltage for Charger	100 - 240 V AC, 50/60 Hz		
Charging Time	4 hours		
Plug Shape (Asia & Europe)	Asia 		Europe 

Standard Accessories

	DLT1173A	DLT1673A	DLT1973A
Joint/Bit	Screw Joint	Bit Joint	Spring for Joint
Model	DLW4430	DLW4360	DLW4660
Measuring (Nm)	0.15 - 1.5	0.15 - 6.5	0.15 - 1.5
			4.0 - 12.0

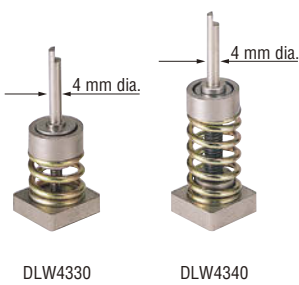
delvo

Optional Accessories

Model	Part No.	Model	Shape	Torque Range	DLT1173A	DLT1673A	DLT1973A
Bit Joint	TD03305	DLW4330	OD 4 mm type	0.015 to 0.25 N m	○	—	—
	TD03306	DLW4340	OD 4 mm type	0.15 to 1.5 N m	○	○	—
	TD03307	DLW4350	Hex 5 and Hex 6.35 types	0.15 to 1.5 N m	○	○	—
	TD03308	DLW4360	Hex 5 and Hex 6.35 types	0.15 to 6.5 N m	—	◎	—
Screw Joint	TD03309	DLW4430	screw type(Bit size No.1)	0.15 to 1.5 N m	◎	○	—
	TD03310	DLW4530*1	screw type(Bit size No.2)	0.15 to 5 N m	—	○	—
Soft Joint	TD04123	DLW4000	Hex 13 type (Hex. head bolt)	4.0 to 12.0 N m	—	○	◎
Hard Joint	TD04124	DLW4040			—	—	○
Spring	TV03826	DLW4660	Spring for DLW4340, 4350, 4430	—	○	◎	—

◎ : Standard accessories ○ : Available as option — : Unsupported
 *1 DLW4530 must be used at 5 N m or less.

Bit Joint



DLW4330

DLW4340



DLW4350



DLW4360



DLW4430



DLW4530



DLW4000



DLW4040



DLW4660
(TV03826)

Screw Joint

Soft Joint

Hard Joint

Spring

Selection of Torque Checker

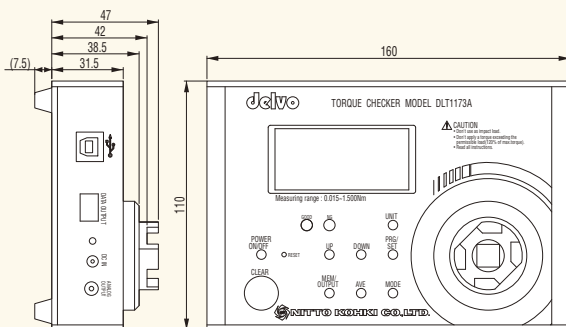
DLT1173A (for miniature screw)	DLT1673A	DLT1973A
DLV3300 series*2 / DLV5700 series / DLV5800 series / DLV7300 series / DLV7000 series / DLV8000 series / DLV7400A series	DLV7100 series / DLV8100 series / DLV7200 series / DLV8200 series / DLV7500 series / DLV8500 series / DLV3100 series*3 / DLV30, DLV45, DLV70 series	DLV45 series / DLV70 series

*2 A reversible screwdriver is required to loosen the measuring joint.

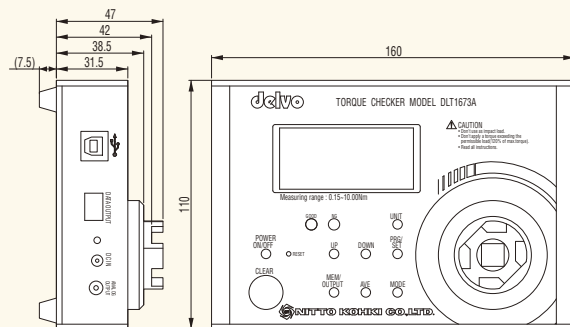
*3 A reversible screwdriver is required to loosen the measuring joint. Screw joint is required.

External Dimensions

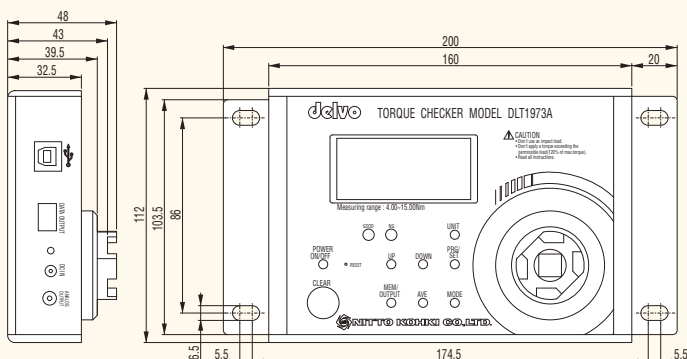
• DLT1173A



• DLT1673A



• DLT1973A



unit: mm

TORQUE CHECKER series