

Torque Checker series

Features

- Have a wide measuring ranges of 0.01~0.15 N·m (DLT1133 / 1173) and 0.15~10 N·m (DLT1633 / 1673); particularly, DLT1133 / 1173 can reliably make micro-torque measurement which requires high precision.
- Store the measured data up to 100 ones even after the power is turned off, preventing any data loss. In addition, the data can be fed into a personal computer through RS-232C connector, realizing paperless control for measured torque data.
- Can run 15 hours continuously with the battery fully charged (more than two weeks on the condition of one-hour operation per day). In addition, it is of energy saving type with AUTO POWER OFF function (to turn OFF power automatically when left unused for 10 minutes).



DLT1633

Specifications

Model	DLT1133	DLT1173	DLT1633	DLT1673
Measurement range (N·m)	0.015~1.5		0.15~5.0	
Calibration precision	Within±0.5% (Full Scale), For 0.2N·m or less, ±1 digit		Within±0.5% (Full Scale), For 2N·m or less, ±1 digit	
Display	4-digit digital display (Single-line) Data sampling : 1,000 times/sec Display rate : 12 times/sec			
Measuring unit	kgf · cm·N·m·lbf · in (selectable)			
Data memory	100 pieces of data			
Measuring direction	CW and CCW			
Measuring mode	3 modes : PD-TR-PP			
Auto power off	Powered off if left untouched for 10 minutes			
External output	As per RS232C output (single-direction, no procedure, 100 data items)		Mitsutoyo Digimatic (sequential output)	
Analog output	Approx.1.5V max.		Approx.1.0V max	
Rechargeable battery	Nickel-cadmium battery			
Charger Type	DLE1833	DLE1873	DLE1833	DLE1873
Input Voltage for Charger	100VAC	230VAC	100VAC	230VAC
Charging time	8 hours			
Continuous operation time	15 hours			
External dimensions	160 x 110 x 47mm			
Mass (g)	1,000			

Standard Accessories

	Joint	Joint	Joint	Spring	Joint	Spring
Model	DLW4340	DLW4430	DLW4360	DLW4660	DLW4360	DLW4660
Measuring (N·m)	0.015~1.5	0.015~1.5	0.2~5.0	0.15~1.5	0.5~5.0	0.15~1.5
Torque checker	DLT1133	DLT1173	DLT1633		DLT1673	



DLW4340



DLW4430



DLW4360



DLW4660 (TD03316)

Optional Accessories

Model	Part No.	Model	Specifications	DLT1133	DLT1173	DLT1633	DLT1673
Bit Joint	TD03305	DLW4330	OD 4mm type, Torque Range : 0.015 to 0.25 N·m	○	○	—	—
	TD03306	DLW4340	OD 4mm type, Torque Range : 0.15 to 1.5 N·m	◎	○	○	○
	TD03307	DLW4350	Hex 5 and Hex 6.35 types, Torque Range : 0.15 to 1.5 N·m	○	○	○	○
	TD03308	DLW4360	Hex 5 and Hex 6.35 types, Torque Range : 0.5 to 5.0 N·m	—	—	◎	◎
Screw Joint	TD03309	DLW4430	#1 screw type, Torque Range : 0.15 to 1.5 N·m	○	◎	○	○
	TD03310	DLW4530	#2 screw type, Torque Range : 0.5 to 5.0 N·m	—	—	○	○

◎ : Standard accessories ○ : Available as option — : Unsupported

Selection of Torque Checker

DLT1133 / DLT1173 (for miniature screw)	DLT1633 / DLT1673
DLV3300 series*1 / DLV5700 series / DLV5800 series / DLV7300 series DLV7800 series / DLV7000 series / DLV8000 series	DLV7100 series / DLV8100 series / DLV7200 series / DLV8200 series DLV7500 series / DLV8500 series / DLV3100 series*2

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

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