

50 years of torque tester manufacturing. New standard torque tester

WDI series

WDI-10HR WDI-100HR WDI-250

You can manage the electric screwdriver / manual torque driver and wrench.

Various information Displayable







Data output USB and RS232C Both equipped





This is the new standard

- Easy-to-understand color display.
- 10HR / 100HR is capable of high-resolution measurement with 1/10 the normal resolution.
- Equipped with data output via USB / RS232C.
- Clear signals and various commands can be sent from a personal computer or PLC.
- Measurement joints can be selected according to the management method and tool characteristics.
- Manual tool measurement jig A screw cube is attached according to the measurement band.
- A storage case is available as an option.



"WDI" measurement example

Electric screwdriver management (SJ joint)

Coil spring screwing method. Versatile appeal with conventional measurement joints



Electric screwdriver management (OW joint)

Uses our unique rewind-free joint. Efficient measurement and safe design that is not easily affected by wear.





The OW joint has a structure that is not easily affected by friction, and stable torque management can be performed for a long period of time.

The screw head comes with a Phillips screw as standard, but you can replace it with the screw you are using. Also, in case of "screw stupid" etc., remove it and replace it with a new one before use.

Manual torque driver management

Easy measurement by attaching a screw to the attached screw cube.

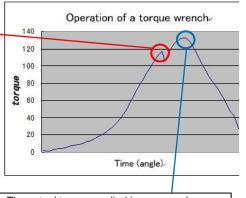


Manual torque wrench management

Click operation of torque wrench Measurement is PD (peak down mode)

For tool check at the start of work





The actual torque applied is measured PP (peak mode)

For worker experience training and tightening operation check

Works with PCs and PLCs

Various commands can be input from PLC or personal computer. Finer torque management is possible with external control.



Command list

Clear signal: Clears the display and saves the held numerical value as data output and memory.

Measurement mode: Change the measurement mode

Measurement channel: Change individual channels for which conditions such as pass / fail iudgment are set.

Peak hold upper limit: Change the pass / fail judgment upper limit of the current channel **Peak hold lower limit:** Change the pass / fail judgment lower limit of the current channel **Peak down lower limit:** Change the peak down judgment start lower limit of the current channel

Real-time output lower limit: Change the output lower limit of real-time output **Auto clear time:** Change the time to automatically clear after the measurement is completed.

Buzzer notification: Change the buzzer notification method



Specification

Show the tester specification below.

Model		WDI-10HR-==		WDI-100HR-===		WDI-250-SJ-□		
Normal		0.020 ~ 1.000 [N-m]		0.20 ~ 10.00 [N-m]		0.20 ~ 25.00 [N-m]		
Range	Hi resolution	2.0 ~ 999.9 [m	N-m]	0.020 ~ 9.999 [N-m]				
Units	Normal	kgf-cm / lbf-in / N-m / cN-m		kgf-cm / lbf-in / N-m / cN-m		kgf-cm / lbf-in /		
Offics	Hi resolution	kgf-cm / lbf-in / mN-m / cN-m				N-m / cN-m		
Accuracy	,	±0.5% (If 499 digit or less, ±3 digit.)						
Operating temperature / humidity		15 ~ 35 degrees Celsius, 80%RH or less *Keep a constant temperature while measuring. (Storage temperature 0 ~ 45°C)						
Sampling	rate	1000 data / 1 sec						
Data outp	out	Wired (ASCII format)						
Measurement mode		Measurement Peak hold Peak down Real time output Track	PP PD C	Data output o o o o	Contents Measure the peak torque. Measure the firs peak torque Output the torque data every 180 data / 1 sec. Be used to calibrate mainly.			
Memory	size	800 data						
Power supply		Ni-MH rechargeable battery (Charge times is about 3 hours)						
Auto pow		If the tester is not used for 10 minutes. (Releasable)						
Socket si	tet size □20 / □9.5							
Accessories (one pieces each)		Measurement joint AC adaptor Result of calibration, Certification on calibration, Traceability system figure						

Ordering number

The ordering number decide with "capacity", "measurement joint" and "case".

WDI	_	10HR	_	SJ	_	Α		ca	se	
				i		i	case		(space)	cardboard
									Α	hardcase
								me	easuremen	it joint
				1			measurement joint		SJ	SJ joint
									OW	OW joint
								ca	pacity	
		;	•••••		• • • • • • • • • • • • • • • • • • • •	•••••	capacity		10HR	~ 1N-m
•									100HR	~ 10N-m
į			•••••	•••••	•••••	•••••	series		250	~ 25N-m



Measurement joint

Show the measurement joint which is attached to the product.

Model		Measurement joint	Bit	Other	Cube
WDI-10HR	-SJ	SJ-10K	6mm Hex bit (Ф4mm, Ф5mm, 3/16" hex, 1/4" hex)	M3 hex adaptor Grease	SC-1
	-ow	OW-025 OW-10	_	_	SC-1
WDI-	-SJ	SJ-10K SJ-50	6mm Hex bit (Ф4mm, Ф5mm, 3/16" hex, 1/4" hex)	M3 hex adaptor M4 hex adaptor Grease	SC-2
	-ow	OW-20 OW-60	_	_	SC-2
WDI-250	-SJ	SJ-50	6mm hex bit (Φ4mm, Φ5mm, 3/16" hex, 1/4" hex)	Grease	SC-3
		SJ-200	17mm socket bit		

Cube with screw holes						
	SC-1	SC-2	SC-3			
Screw hole	① M1 ② M1.2 ③ M1.4 ④ M2 ⑤ M3	① M2.6 ② M3 ③ M4 ④ M5 ⑤ M6	① M4 ② M5 ③ M6 ④ M8 ⑤ M10			
Outline figure			3			

joint

Show the SJ joint and OW joint specification below.

Joint	SJ joint -SJ		OW joint -OW				
John	SJ-10K	SJ-50	SJ-200	OW-025	OW-10	OW-20	OW-60
Capacity	~ 1 N-m	~ 5 N-m	~ 20 N-m	~ 0.25 N-m	~ 1 N-m	~ 2 N-	~ 6 N-m
Recommended measurement range	~ 1 N-m	1∼ 5 N-m	5∼ 20 N-m	~ 0.25 N-m	0.25 ~ 1 N-m	1 ~ 2 N-m	2 ~ 6 N-m
Mechanical life	2,500 times	2,500 times	2,500 times	10,000 times	8,000 times	5,000 times	5,000 times
Bit fitting part	6mm hexagonal hole	on opposite side	Opposite side 17mm	M2.6	M3	M4	M6
(Use screw top)	(M3 screw)	(M4 screw)	Hexagon bolt				
Dimensions	M8×(H)49	M8×(H)43	M10×(H)35	φ28×(H)35	φ32×(H)42.5	φ32×(H)42.5	φ38×(H)59
				Bit fitting part	0		H
Pedestal shape		□20			□2	20	

Case

The specifications of the case are shown below.

Case	(no symbol)	-A
Specifications	Cardboard	PP
Exterior / Interior	CEDAR TYPE BASE AND	CHILLE AND THE PARTY OF THE PAR



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The contents of a catalog may change specification and a design without a preliminary announcement.