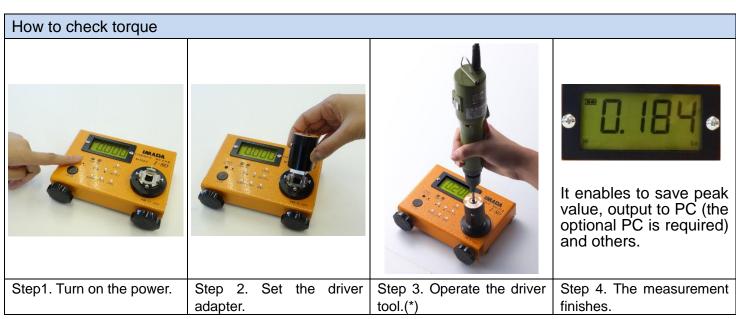
Driver Torque Meter I-8/I-80

Measure torque (rotating force) for motor screw driver and torque driver. It is suitable for daily torque maintenance with simple operations. The data output (serial communication) is possible.





^{*}At the Step 3, the user inserts the using screw in the driver adapter.



[Specification]

[Specification]		<u>, </u>				
Model	I - 8	I - 80				
	0.20~78.60 cN-m	0.020~7.860 N-m				
Measuring range*1	0.020~8.000 kgf-cm	0.20~80.00 kgf-cm				
ivicasuling lange i	0.020~6.970 lbf-in	0.20~69.70 N-m				
	3	2.0~786.0 cN-m				
Accuracy	+/- 0.5% (reading value) or +/-3digit in less than 499 digit.					
Display	4 digits LCD display					
Measuring direction	CW-CCW (Right turn /Left turn)					
Measuring mode	P-P(Peak-hold), T-R(Track), P	-D(Peak-down),C(real time data				
	output)					
Upper/Lower value setting	Upper/ Lower value are able to be	e set in the measuring range.				
Pass-fail decision	Pass/Fail can be check in the mea	asuring range.(P-P mode)				
1 ass-tall decision	GOOD (Pass)Green lights, NG	(Fail)Red blinks				
Max./ Min./Ave. display	Display stored Max. / Min. /Ave. / Number of measuring values.					
Real time data output	Output applied torque approx. 1/180 sec each.					
Internal memory	800 data					
Output data	ASCII (baud rate 19200 bps)					
Auto zero reset function	Automatic clear value function in each 0.1~3.0 sec (The setting is					
Auto Zero reset function	possible from 0.5 sec each). Manual zero reset setting is at 0.0 sec.					
Zero Reset function	Auto or Manual (only pressing the button.)					
Battery	Ni-Cd 1.2v×5 cell(700mAh) 300 times					
Auto power-off	Auto power-off in 10 minutes with	no operation.				
Charging time/ Usable time	Approx.3 hours/ Approx. 12 hours	continuous use after full charge.				
Socket joint part	Square 20 mm / Square 9.5 mm					
(Detecting parts shape)						
	Driver adapter OW-025/OW-10	Driver adapter OW-20/OW-60				
	Attaché case, battery charger, inspection certificate (*2), calibration					
	certification (*2), traceability system diagram(*2).					
Included items (1 each)	OW-20 OW-60					

^{*}This product is NOT suitable for impact tools.

^{*2} All documents are written in English.



^{*1} It is only approved for the international model. The Japanese model is different range.



[Specification for Driver adapter]

	OW-025	OW-10	OW-20	OW-60
Range	Max. 0.25N-m	Max. 1.0N-m	Max. 2.0N-m	Max. 6.0N-m
Mechanical life	10,000 times	8,000 times	5,000 times	5,000 times
Bit joint part	M2.6+Pan head	M3.0+Pan head	M4.0+Pan head	M6.0+Panhead
	screw	screw	screw	screw
Body dimension	φ28×44	φ32×51	φ32×51	φ32×69

^{*}In the bit joint part, the user inserts their using screw.

[Output data]

Output data is into ASCII by USB cable (Type B).

Specification of Data output

Data bit length	Start bit 1+ Data bit 8 + Stop bit 2 +no parity				
Beau rate	19200bps	Connector shape	USB(Type B)		

There are 2 types of the data format.

1. The data format of measuring/ average value output.

(Upper column: Meaning of the hexadecimal number in the lower column.

Lower column: Hexadecimal numbers approved ASCII code.)

CAN	*	SO	Space	Sign	Measuring value	Space	SI	Unit	CR
18	000	OE	20	CW: + CCW: -	00000	20	OF	000000	OD
21 data is output at once.									

2. The data format of the real time mode output.

(Upper column: Meaning of the hexadecimal number in the lower column.

Lower column: Hexadecimal numbers approved ASCII code.)

CAN	Sign	Measuring value	CR		
18	CW: + CCW:-	00000	OD		
8 data is output at once.					

^{*}The adapters cannot be used for a manual torque driver. The optional driver adapter is required. Please contact us if you need. (+81-(0)532-33-3288 IMADA CO.,LTD.)



Data Contents

CAN : Cancel

: When the measuring value output

The data number is displayed at memory data output (e.g. The data No.1 is displayed "001").

"Space" is output at "Clear".

: When the average value output

" N "...Data number, "MAX"...Maximum value, "MIN"...Minimum value, " m "... Average value

(" N " and " m " are displayed in the center.)

SO : Select double-width printing : Sign + at CW/ Sign - at CCW ±

Measuring value: Including decimal point. e.g)1 0 . 0 0 \rightarrow 10.00

SI : Cancel double-width printing

Unit : When the data quantity is less than unit number quantity such as N-m, there are spaces after unit letters.

 $(k g f - c m \rightarrow kgf-cm)$ e.g) N -m \rightarrow N-m

CR : Carriage return

[Cautions]

- The contents may be changed without previous notice.

- All of products are designed for measurement purpose only.

- Do not copy and use this content without authority.

- Please note if you add load over capacity, its sensor would be broken down.

- Please note that the capacity is dependent on the displayed unit. Please contact us for details.